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UNITED KINGDOM

14th August 2026

Project/File: 333102819/A5/TC

FAO Mark Quinn

Knowsley Metropolitan Borough Council
Planning Services - Knowsley Council,
Municipal Buildings,
Huyton,
Knowsley,
L36 9UX
0151 443 2381

Reference: Unit 2 Earlsfield Park, Prescott – Ref: 26/00189/FUL: Response to Knowsley Council Environmental Health and Consumer Protection Service Consultation Response

Dear Mark,

Introduction

We write on behalf of our client, Commercial Development Projects (CDP) ('Client') in response to the consultation comments provided by the Council's Environmental Health and Consumer Protection Service Officer ('EHO'), in response to Full Application reference 26/00189/FUL in relation to the Site at Unit 2 of Earlsfield Park, Prescott.

The proposals are to provide ancillary plant for the relocation of an existing facility from Scotland to Knowsley. Attached at Appendix A is the applicant's recently received Compliance Report from Scottish Environment Protection Agency (SEPA) for the existing factory for reference by the EHO.

Thank you for sharing the EHO's response, dated 17th July 2026. We have reviewed the comments and have provided answers below to the points raised in the response in conjunction with the Noise Consultant and plant company. For clarity, our response follows the same numbering in the EHO's response, with the EHO consultee comments in *italics*, and our response underneath.

Noise comments

- We have concerns over the possible noise levels from the external plant, including the fans and the woodchipper, at the neighbouring unit as this has not been assessed. It is much closer than the residential properties to the noise source which may result in the noise having a negative impact on them. Please justify why the nearest receptor has not been included within the assessment and provide evidence that the selected receptors represent the worst-case noise impact.*

Please see updated Noise Impact Assessment which includes the addition of the commercial unit to the east of the Site as receptor R3.

- It is stated in the report that the wood-chipper will only operate at 30-minute intervals for 4-5 times per day. The assessment needs to take into account the worst case scenario, which would be the chipper operating for the full hour of the BS4142 assessment.*

Reference: 333102819/A5/TC

The calculations in the amended Noise Impact Assessment assume the woodchipper runs for the full hour. Clarity is provided in Paragraph 5.7

3. *What are the predicted maximum noise levels that will reach the closest residential dwellings and the adjacent unit?*

Comment is added in Appendix E in the updated Noise Impact Assessment.

4. *Is there any risk of vibration from the plant affecting the nearby business units? Has this been assessed? What mitigation will be in place to minimise vibration from the various pieces of equipment?*

The woodchipper and ventilation fans will be mounted on suitable anti-vibration isolators to minimise the potential for structure-borne vibration. In any event, the plant is located a considerable distance from the nearest noise-sensitive receptors and will not be installed on a shared structural slab. Consequently, the potential for vibration transmission to nearby receptors is considered to be very low.

5. *Can the manufacturers specification sheet for the woodchipper and the fans be provided.*

These are provided at Appendix B and C of this response

6. *The BS4142 assessment tables need to be provided, similar to those that were in the January 2026 report,*

Tables 3 – 7 updated/added as requested in the updated Noise Impact Assessment.

7. a. *In Table 3, the predicted plant noise emissions shows a difference of -3, not -5dB (at least). For BS4142 a correction value for the woodchipper is +10dB, yet in the woodchipper calculations it only shows +3dB as a BS4142 feature correction.*

The criteria in the original Table 3 were set to meet Condition 14 (i.e. 5dBA below the background), therefore, the predicted levels were 8dBA below background. The new assessment Tables 3-8 consider the background noise level as requested above.

- b. *What is the margin of error for the noise calculations?*

Additional sections on context and uncertainty added in Paragraphs 5.7 and 5.8 of the updated Noise Impact Assessment.

8. *Will any plant / equipment be left running overnight, at any time of the year? If there will be, then a BS 4142 assessment for the night time needs to be carried out.*

The biomass boiler will only operate at full duty during the daytime period (07:00–23:00 hours). A small internal fan may continue to operate during the night-time period; however, the associated noise emissions are significantly lower than those generated during normal boiler operation and are therefore expected to have a negligible effect on overall plant noise levels. In any case, to ensure a robust assessment, the assessment considers the boiler operating at full duty 24hours a day. Comment provided in Paragraph 5.7 of the updated Noise Impact Assessment.

9. *Please confirm the hours the timber process, including the wood chipping, will be operating.*

The operating hours of the woodworking unit are to be as below. The fans and chipper will only operate during this time:

Reference: 333102819/A5/TC

Monday to Thursday 07:45 – 16:30 and Friday 07:45 – 12:30. Closed weekends

- 10. Please provide evidence to support the octave-band SRI values you have stated for the roller shutter door and the cladding.*

Comment has been provided below Table 2 of the updated Noise Impact Assessment.

Boiler comments

- 11. Will the boiler be providing heat and hot water to the proposed unit?*

The boiler will only heat the factory space. There is already an air source heat pump and electrical supply that heats the office space and water.

- 12. Please provide details of any odour assessment undertaken for the boiler. If no assessment has been done, please provide justification as to why one is not considered necessary.*

No odour assessment has been undertaken in support of this application, as is common with applications for this type of biomass boiler. This is considered a reasoned and justifiable approach.

- 13. What fuel 'type of wood' will be used in the boiler? Please confirm the source and specification of the wood fuel and whether any recycled or waste wood will be used.*

Grade A&B waste wood is created onsite as a by-product of woodworking/joinery operation. Of 2,763 tonnes purchased in 2025, 4.6% is solid wood with the remaining amount chipboard and MDF. The finalised proposed boiler specification and levels of waste were determined through the following process:

The M&E consultants calculated the size of the boiler required having considered the heating requirement for the building and fabric heat loss with this equating to a total heat load of 290kW. The proposed supplier's 300kW boiler takes 600 tonnes of waste per annum that represents approximately 22% of the total timber purchased for production. Production efficiency is not currently formally recorded, however, on the basis of production calculations, it is estimated that the waste produced should be in line with the requirement to fuel the boiler. The system has a gas back-up if waste supply is lower and if excess is produced this could be temporarily stored in the extant unit until required.

The boiler chosen is specifically designed for the safe efficient combustion of this fuel and will be operated under a LA issued Part B permit to ensure compliance with all necessary emissions.

- 14. The information provided on the boiler states that the efflux velocity will be 15m/s at 100% output. Please confirm the anticipated efflux velocity at lower operating loads and whether this could affect the dispersal characteristics.*

The efflux velocity will be maintained at 15m/s by the sophisticated boiler control and inverter driven Induced draught fan between 30%-100% output. The boiler will not operate below 30% output.

- 15. Please provide the rated thermal input (MWth) of the boiler and associated fuel consumption rate at maximum load.*

The rated thermal input is 0.35MWth. The fuel consumption rate is 75kg/hr.

Reference: 333102819/A5/TC

16. *Please confirm the proposed hours of operation of the boiler and whether it is intended to operate continuously or on during business hours?*

The biomass boiler will only operate at full duty during the daytime period (07:00–23:00 hours). A small internal fan may continue to operate during the night-time period; however, the associated noise emissions are significantly lower than those generated during normal boiler operation and are therefore expected to have a negligible effect on overall plant noise levels. In any case, to ensure a robust assessment, the assessment considers the boiler operating at full duty 24hours a day. Comment provided in Paragraph 5.7.

Other comments

17. *How much wood is expected to be processed at the site each year? How much of this wood is expected to be used as fuel in the biomass boiler.*

The M&E consultants calculated the size of the boiler required having considered the heating requirement for the building and fabric heat loss with this equating to a total heat load of 290kW. The proposed supplier's 300kW boiler takes 600 tonnes of waste per annum that represents approximately 22% of the total timber purchased for production. Production efficiency is not currently formally recorded, however, on the basis of production calculations, it is estimated that the waste produced should be in line with the requirement to fuel the boiler. The system has a gas back-up if waste supply is lower and if excess is produced this could be temporarily stored in the extant unit until required.

18. *Given that specific information is now known about the process, information will need to be provided to demonstrate compliance with condition 16 of the planning permission 25/00614/FUL.*

Condition 16 of 25/00614/FUL is yet to be submitted for discharge, and will be undertaken prior to occupation of the unit in line with the condition requirements. It is considered that this is not a factor at this stage.

19. *Will the saw dust from those wood processing be collected and directed to the silo through an extraction system? Wood dust / chips can be very abrasive and may result in wear to ducting over time, potentially causing dust leaks. Please explain how this will be managed and maintained.*

Sawdust and wood chips will be extracted in full compliance with COSHH legislation and HSE guidance note HSG258. The system has been designed to minimise bends/corners and use smooth radius to reduce impact by materials. All bends in sensitive areas (such as from chipper) will be constructed in reinforced steel which is much thicker. The system air velocity is designed to carry material in the centre of the air stream through smooth bore ducts. The end user will maintain routine service and maintenance inspections to identify any preventative maintenance required and rectify issues in a timely fashion.

20. *The submitted drawings show five spray booth flues and the supporting information states that the wood may be treated using water based and/or solvent based lacquers. Please provide details of:*

- a. *The coating products to be used*
- b. *Estimated usage rates*

Reference: 333102819/A5/TC

For parts a and b please see Summary of Paint Use document appended below at Appendix D. Please note that 83% of the materials are water based, and the target is to move to 100% by circa 2030.

Appendix E shows the data sheets for the paints referenced in Appendix D.

c. The extraction system

A suitable extraction system in compliance with HSG258 and BS EN 16985:2018 has been specified for each of the spray booths.

d. Any filtration or abatement measures and,

The spray booths will incorporate filter media which is regularly changed to ensure optimal operation. Appendix F shows the supplier's specification sheet.

e. How odour emissions will be controlled.

97% of the products which require painting are painted by water-based paints, with a target of 100% by 2030, and as such odours produced are to be minimal. Please see Appendix G for the supplier's safety sheets for the products where odour is relevant. Section 9 on each safety sheet refers to odour.

21. Please provide details of the discharge velocity and temperature (if applicable) of each spray booth flue.

With efflux cowls of 600mm diameter fitted to the top of the stack this will mean the efflux velocity will be at 15.91m/s based on the air volume of 4.5m³/s which is being extracted. This is ambient air from the factory so will range between 16c-21c depending on time of year.

22. Please provide details of the estimated annual solvent usage for the proposed process.

Appendix D demonstrates that the majority of painted products in 2025 (97%) were painted with water-based paints, with a 100% target by 2030. However, some solvent is required in other types of product, such as adhesives which do not relate to the extract plant. It is anticipated that this can be further discussed through the application for Part B Environmental Permit, should these proposals be granted.

23. What is the capacity of the proposed wood chip silo(s)?

35m³ holding 8-10t as a maximum at any one time.

24. For the timber process please provide details of how dust emissions from wood handling, processing, storage and transfer operations will be controlled.

The fans and cyclofilter detailed in the drawings is the control method for all dust. Dust produced by factory machinery is captured at source and safely extracted via the dust extraction system. This is a sealed process and there will be no escape to atmosphere or manual handling of dust materials. The proposed equipment is the solution for this.

Reference: 333102819/A5/TC

Summary

This letter has been prepared by Stantec on behalf of the applicant and is submitted in response to the Council's Environmental Health and Consumer Protection Service Officer ('EHO'), in response to Full Application reference 26/00189/FUL in relation to the Site at Unit 2 of Earlsfield Park, Prescott.

It responds to the comments and questions raised by the officer in order to allow for the receipt of a comment of 'No Objection' and or the application to move forward to a positive decision in a timely manner. It is worthy to note that a Part B Environmental Permit is required, and as such the applicant will be continuing to liaise with the EHO and wider team in due course.

The proposals are ancillary to the use of the existing Unit 2 and the relocation of an existing facility to the borough. We would be happy to meet with yourselves to discuss this matter further. Please do not hesitate to get in touch should this be the case.

Yours faithfully,

Tom Carter

STANTEC UK LIMITED

14th August 2026

Unit 2 Earlsfield Park, Prescott – Ref: 26/00189/FUL: Response to Knowsley Council Environmental Health and Consumer Protection Service
Consultation Response

Page 7 of 13

Reference: 333102819/A5/TC

Appendix A – Compliance Report from Scottish Environment Protection Agency (SEPA)

The Environmental Authorisations (Scotland) Regulations 2018

Compliance Verification Report

Unique Reference Number: 20260804 – CVR - PPC/B/1014456



Compliance Verification Report

Section 1 – Authorisation details

Authorisation reference	PPC/B/1014456
Authorised Person	The Co-operative Group
Authorised place	Unit 1, 15 Bogmoor Place, Shieldhall, Glasgow, G51 4JE
Regulated Activity	Industrial
Contact for Issue	Gosia (Malgorzata) Mietkiewicz

Section 2 – Administration details

Author and team name	Ross Young, Greater Glasgow and Clyde Estuary
Date of issue of this Compliance Verification Report	04/08/2026
Is this a re-issue? If so, why?	Yes – Reissued due to additional information provided by operator.
Does this Report contain Commercially Confidential information?	No
Does this Report contain Nationally Secure information?	No

Compliance Verification Report

Section 3 – Compliance summary

Type of verification	Site Inspection
Date and time of verification	Date: 24/07/2026 Time: 13:00

Compliance Verification Report Summary

Non-compliances - 0

Area of Concern – 1

Whilst on site, the spray booth filters required changing and the surrounding areas were dusty. The operator should ensure filters are changed regularly and the surrounding area is kept clean from visible particulate material.

Compliance Verification Details

Two SEPA officers attended the site on the 21 July 2026 and were shown around by Gosia Mietkiewicz.

Compliant Conditions

Condition 3.1.8 – Air Emission Conditions

Condition 4.1.7 – Operation of Timber Process

Condition 5.1.5 and Condition 5.1.7 – VOCs

Condition 5.1.9 – VOCs

During the site inspection, SEPA officers viewed a “Measurement of Particulate Emissions to Atmosphere from 4 Spray Booths” report which was also sent to a SEPA officer on the 23 July 2026. The annex of this report detailed the waste air velocities of stacks on site which were below 15m/s. However, the evidence sent by the operator on the 03 August 2026 indicates that the exit velocities are higher due to the cones which are installed. Supplementary information was sent to SEPA by the operator highlighting this. Based on the information provided this condition is now considered compliant.

Compliance Verification Report

Major non-compliances + Actions to be taken
No major non-compliances were noted.
Non-compliances + Actions to be taken
No non-compliances were noted.
Is this Compliance Verification Report related to an active Compliance Recovery Plan?
No

Review and Appeals Process

If after reviewing this Compliance Verification Report, you disagree with any of the decisions recorded, you may ask SEPA to review them.

You should first seek to resolve your concerns through discussion with SEPA using the contact details provided above. If this does not resolve the issue, you can submit a formal request using the [EPAS Review Form](#) to EPAS@sepa.org.uk in accordance with [SEPA's Review and Appeals Process](#). The EPAS Review Form must be received by SEPA within **28 calendar days (including public holidays)** of the date this report was issued.

Environmental Performance Assessment Scheme

Information on our Environmental Performance Assessment Scheme (EPAS) can be viewed at [Environmental Performance Assessment Scheme | Scottish Environment Protection Agency \(SEPA\)](#).

From 1 January 2026 the EPAS [major non-compliance criteria](#) and new [environmental events categorisation](#) are applied. EPAS ratings will not be calculated until the scheme is fully launched, currently expected in the 2026-2027 financial year.

Accessibility

If you would like this document in an accessible format, such as large print, audio recording or braille, please contact SEPA by emailing equalities@sepa.org.uk

14th August 2026

Unit 2 Earlsfield Park, Prescot – Ref: 26/00189/FUL: Response to Knowsley Council Environmental Health and Consumer Protection Service
Consultation Response

Page 8 of 13

Reference: 333102819/A5/TC

Appendix B – Woodchipper Specification



BULLDOG
WOOD SHREDDERS

Operation Manual

www.bulldogwoodshredders.co.uk

Contents

Operation Manual.....	1
Contents.....	2
Bulldog Shredder Operation Manual.....	5
1. General information.....	5
1.1 About this manual.....	5
1.2 Symbols.....	6
1.3 Copyright.....	8
1.4 Limitation of liability.....	8
1.5 Terms of the warranty.....	8
1.6 Replacement Parts and accessories.....	9
1.7 Customer Service and product surveillance.....	9
2. Safety.....	9
2.1 Responsibilities of the operating company.....	10
2.2 Staff requirements.....	11
2.2.1 Qualifications.....	11
2.2.2 Unauthorised Persons.....	12
2.2.3 Training.....	12
2.6 Safety Devices.....	23
2.7 Safety Guards.....	24
2.8 Preventing accidental or unauthorised restarts.....	24
2.9 What to do in hazardous situations and in case of accidents.....	25
2.10 What to do in case of fire.....	25
2.11 What to do if the machine is damaged.....	26
2.12 What to do in case of faulty operation.....	26
2.13 Environmental protection.....	26
2.14 Labelling.....	27
2.15 Requirements for ladders, scaffolding and pedestals.....	30
3. Technical Data.....	30
3.1 Dimensions.....	30
.....	30
3.2 General Specifications.....	31
3.3 Weight.....	31
3.4 Electrical Specifications.....	31
3.5 Operating Conditions.....	32

3.6 Emissions	32
3.7 Operating Manuals.....	33
3.7.1 Gear oil	33
3.7.2 Lubricant Grease	34
3.8 Type Label.....	35
4. Design and Function.....	36
4.1 Overview.....	36
4.2 Description of components	37
4.3 Operating Hazard Areas.....	41
4.3.1 Operating areas.....	41
4.3.2 Hazard areas	41
4.4 Location of emergency stops.....	42
4.5 Modes of operation.....	43
4.5.1 Manual operation	44
4.5.2 Automatic operation	44
4.6 Transport, packaging and storage	45
4.6.1 Safety.....	45
4.6.2 Transport by crane.....	47
4.6.4 Packaging	47
5. Storage	48
5.1 Storage of packaged units and machine components	48
5.2 Storage of gears and motors	49
5.3 Machine downtime.....	49
5.4 Installation and start-up	49
5.5 Preparatory steps	51
5.5.1 General installation requirements.....	51
5.5.2 Ambient requirements.....	51
5.5.3 Foundation requirements.....	51
5.5.4 Power requirements	51
5.5.5 Machine installation requirements	52
5.5.6 Installation options	52
5.6 Installation.....	54
5.6.1 Machine installation	54
5.6.2 Control cabinet installation	54
5.6.4 Installation of additional safety features	55
5.7 Installation instructions	56
5.7.2 Connecting the power supply.....	56
5.7. Integration into an existing facility.....	57

6 Start-up	58
6.1 Checks	58
6.2 Checking the rotation direction of the rotor.	58
6.3 Checking the emergency stop buttons	58
7. Operating the machine	59
7.1 Safety.....	59
7.2 Steps to be taken prior to operation.....	60
7.3 Work areas	60
7.4 Switching on the machine	60
7.5 Switching off the machine.....	60
7.6 Emergency stops.....	61
7.7.1 Filling the hopper.....	62
8. Maintenance.....	63
8.1 Safety.....	63
8.2 Maintenance work: preparation steps	66
8.3 Maintenance schedule.....	66
8.4 Maintenance work.....	69
8.4.1 Cleaning.....	69
8.4.1.1 General.....	69
8.4.1.2 Cleaning the machine.....	69
8.4.1.3 Cleaning the motors.....	69
8.4.2 Checking the gear oil level.....	70
8.4.3 Changing the gear oil	71
8.4.4 Grease lubrication.....	73
8.4.5 Changing the counter knives	74
9. Faults.....	76
9.1 Safety.....	76
9.2 Steps to take before the troubleshooting begins	78
10.1 Safety	79
10.3 Disposal.....	81
11. Replacement parts.....	81
11.1 Spare parts	82
11.2 Ordering replacement parts	82
11.3 Pre-printed form for replacement parts.....	82

Bulldog Shredder Operation Manual

1. General information

1.1 About this manual

This manual will help you use this machine safely and efficiently.

The manual is part of the machine and must be kept in its immediate vicinity where staff can access it any time. If this machine is handed over to a third party, the manual must also be included with the machine. It is essential that staff have read and understood this manual in full before carrying out any work with this machine. Compliance with all safety information and general instructions contained in this manual is a fundamental prerequisite for the safe handling of this machine.

In addition to the information contained in this manual, local Health and Safety regulations also apply to the area where the machine is used.

In addition to this manual, the instructions contained in the appendix and on the packaging as well as the labels on the machine apply.

The pictures contained in this manual are intended to aid basic understanding and may differ from the actual design of the machine.

Information on technical modifications must be attached to this manual.

«»»»» Contact Information «»»»»

Talbott's Biomass Energy Systems Ltd.
Unit 13 Walton Industrial Estate
Beacon Road
Stone
ST15 0NN
Tel: 01785 813772
Email: enquiries@talbotts.co.uk

1.2 Symbols

Safety information

In this manual, safety information is marked with symbols. Safety information is introduced by warning words that indicate the different levels of danger. Please make sure you comply with all safety information and handle this machine carefully to prevent accidents and personal or material damage.



DANGER!

.... indicates a situation that poses an immediate danger and that may cause death or serious injuries if it is not prevented.



WARNING!

...indicates a situation that is possibly dangerous and that may cause death or serious injuries if it is not prevented.



CAUTION!

...indicates a situation that is possibly dangerous and that may cause minor or mild injuries if it is not prevented.



CAUTION!

...indicates a situation that is possibly dangerous and that may cause material damage if it is not prevented.

Useful hints and recommendations



NOTE!

...indicates useful hints and recommendations as well as information for the efficient and failure-free operation of this machine.

Special Safety Information

To indicate special dangers and risks, the following symbols are used in the sections containing safety information:



.... indicates danger resulting from electrical power. Non-compliance with safety information poses a risk of serious or deadly injuries.

1.3 Copyright

This manual is protected by copyright laws and intended exclusively for internal purposes. This manual must not be passed on to third parties or duplicated in any form (including extracts) and its contents must not be used and/or communicated without the written consent of the producer, except for internal purposes.

Any breach of this rule shall result in liability for damages. The right to assert additional claims shall remain reserved.

1.4 Limitation of liability

All facts and information contained in this manual are based on the standards and regulations currently in place, the latest technological findings and our many years of experience and expertise. The manufacturer assumes no liability for damages caused by:

- Non-observance of the manual
- Improper use
- Operation by unqualified staff
- Unauthorised retrofitting without manufacturer's written approval
- Use of non-original replacement parts
- Incorrect translation of this manual
- Maintenance and repair work performed during the warranty period by parties other than the manufacturer or staff authorised by the manufacturer
- Improper maintenance and service
- Insufficient removal of processed material.

For specially designed models, or when additional order options were chosen, or as a result of new technical developments, the actual scope of delivery may differ from the explanations and illustrations contained in this manual.

The obligations specified in the delivery contract, the General Terms and Conditions as well as the manufacturer's terms of delivery apply, in addition to the legal provisions that are in place at the time when the contract was concluded.

We reserve the right to carry out technical modifications as part of our continuous effort to improve usage properties and further development.

1.5 Terms of the warranty

The terms of the warranty are contained in the manufacturer's General Terms and Conditions or regulated by contract in each order confirmation.



NOTE!

In case of non-observance of the instructions and safety information contained in this manual, the warranty becomes null and void.

1.6 Replacement Parts and accessories



WARNING!

Unsuitable replacement parts and accessories constitute a safety risk!

Unsuitable or faulty replacement parts and incorrect accessories may constitute a safety risk or cause machine damage, malfunction or total failure.

To prevent situations of this sort, please follow the instructions below:

- only use original replacement parts and accessories authorized by the manufacturer.

Only purchase genuine replacement parts and accessories directly from Talbott's Biomass. For contact details, see page 1.

1.7 Customer Service and product surveillance

If problems occur that cannot be solved by consulting this manual or if you have a technical query, please contact our Customer Service. For contact details, see page 1.

Our staff are always interested in new information and experiences that come from using our machines and that could be important for improving our products.

Please let us know about problems with using the machines, failures that occur during operation and other faults. The manufacturer must be notified of any accidents or near-accidents.

2. Safety



DANGER!

Non-observance of this manual may put your life at risk!

Non-observance of the safety and operating instructions contained in this manual may lead to serious hazards.

To avoid safety risks, please follow the instructions below.

- Read the whole manual before commencing work on the machine.
- Make sure you comply with all the operating and safety instructions contained in this manual.

This section gives an overview of all-important safety aspects to ensure optimal protection of staff and safe, fault-free operation.

This manual only refers to risks that were determined in a risk assessment procedure. It does not refer to risks resulting from working conditions, the site of operation, or interfaces with foreign components.

2.1 Responsibilities of the operating company

The machine is used for commercial purposes. The operating company is responsible for complying with Health and Safety requirements as prescribed by law.

In addition to the safety instructions contained in this manual, local regulations regarding safety, accident prevention and environmental protection must also be complied with.

In particular, this means that:

- The operating company must obtain information on applicable Health and Safety regulations and carry out a risk assessment to determine additional dangers that arise from the specific working conditions on the site of operation. These must be converted into specific instructions for the operation of this machine. These instructions must be accessible at any time.
- Throughout the operating time of the machine, the operating company must check whether the instructions they compiled comply with the latest rules and regulations and, if necessary, adjust them accordingly.
- The operating company must define responsibilities for installation, operation, maintenance and cleaning in a clear and unambiguous manner and appoint a responsible person for each task.
- The operating company must make sure that all staff handling the machine have read and understood this manual.
- Furthermore, the operating company must provide staff training at regular intervals and inform them of all associated risks.
- The operating company must provide staff with the necessary protective equipment.
- If necessary, the operating company must ensure before machine start-up that the facility in which the machine will be integrated or of which it is a component complies with the safety requirements and regulations of all relevant directives. The operating company must perform a procedure for assessing the conformity in accordance with the machinery directive.

It is the responsibility of the operating company to ensure that the machine is technically sound at all times. To ensure this, the following provisions apply:

- The operating company must ensure that the maintenance intervals described in this manual are complied with.
- The operating company must ensure that the machine is equipped with all necessary safety and protection devices.
- The operating company must ensure that all safety and protection devices are checked for functionality and completeness prior to start-up.

2.2 Staff requirements

2.2.1 Qualifications



WARNING!

Handling of this machine by insufficiently qualified staff may lead to in
Improper handling may lead to considerable personal and material damage

To avoid safety risks, please follow the instructions below:

- Ensure that all jobs are performed by staff qualified to perform them.

The operating manual defines the following qualifications for different areas of responsibility:

Trained staff

Have received instructions from the operating company on there responsibilities and on possible risks associated with improper use.

Expert/Qualified Staff

Are able to perform their responsibilities and to recognise and prevent possible risks independently due to their specialist training, expertise and experience and their knowledge of the relevant standards and regulations

Qualified electricians

Are able to perform work on electrical facilities and to recognize and prevent possible risks independently due to their specialist training, expertise and experience and their knowledge of the relevant standards and regulations.
Qualified electricians are trained for their specific place of work and are familiar with the relevant directives, standards and regulations.

- Only individuals that can be expected to complete their tasks in a reliable manner are to be admitted as staff. Individuals whose reaction time is impaired, for instance due to drug or alcohol abuse or due to medication, are not to be admitted as staff.
- When selecting staff, the job-specific rules and regulations that apply at the site of operation must be complied with.
- Individuals under the age of 18 are not permitted to handle this machine.

2.2.2 Unauthorised Persons



Warning

Unauthorized access is dangerous!

Unauthorized persons who do not fulfil the requirements specified in this manual are not familiar with the hazards of the work area.

To avoid safety risks, please follow the instructions below:

- Keep unauthorized persons away from the work area.
- If in doubt, address the person directly and ask them to leave the work area
- Interrupt operations while unauthorized persons remain in the work area

2.2.3 Training

Operating staff must be instructed and authorised by the operating company or an authorised specialist. The person receiving training may only handle the machine while supervised by an authorised person who has been trained to use the machine.

To ensure traceability, all training/instruction activities must be documented.

2.3 Intended Use

This machine is designed and constructed exclusively for the intended use as described in this manual.

The exclusive purpose of this manual is to safely shred material with the Bulldog single shaft shredder.

This machine is exclusively designed to shred the following materials:

- Hard Wood
- Soft Wood
- Cardboard
- MDF
- Chipboard
- Corian
- Plastic

Condition on site

Rosebirch Ltd , High Spen Industrial Estate, Birch House, High Spen, Rowlands Gill, NE39 2PS

Ambient Temperature +5°C to -45°C

Sea Level 0-1000 m above sea level

Relatively humidity <70% at max. +40°C

Power Supply 400 V. Tolerance - 10% / +7%
50Hz tolerance +/- 1%

This machine may only be put in operation if the operating environmental conditions described in the chapter technical data are met with.

Intended use also includes compliance with all requirements specified in this manual.
All use exceeding or differing from the intended use is considered misuse and is expressly prohibited.



WARNING!

Misuse may cause hazards!

Misuse of this machine may lead to dangerous situations.

In particular, make sure to avoid the following forms of misuse:

- contaminated with glue, explosive, or flammable material.
- Shredding material not approved by the manufacturer.
- Shredding of long items that protrude from the edge of the hopper.
- Feeding the shredder with large amounts of dust as well as the material to be shredded.
- Starting up the machine without ensuring compliance with all safety requirements and relevant directives.
- Overloading the shredder.

Claims for damages caused by non-intended use shall be excluded.

2.4 Personal protective equipment

During operation of this machine, personal protective equipment must be worn in accordance with Health and Safety regulations in order to minimise health hazards.

The protective equipment required for each task must be worn at all times during operation. Signs referring to personal protective equipment that are posted in the work area must be complied with.

The following items are fundamental requirements for all tasks:



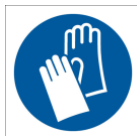
Protective clothing

refers to tight-fitting work clothes with high tensile strength, tight sleeves and no parts that stick out. It prevents clothing being caught up in moveable machine parts. Rings, necklaces and other jewellery must not be worn.



Safety shoes

protect wearers from heavy falling parts and from slipping on wet surfaces.



Safety gloves

protect hands from friction, abrasions, punctures or deeper wounds as well as from hot surfaces.



Protective helmet

protects wearers from falling and flying parts thrown from the hopper.

Ear protection

protects wearers from hearing damage.

Protective goggles

protects eyes from flying debris and splashes of liquid.

Light breathing protection

to prevent health-damaging dust.

Depending on the material to be shredded and the workplace-associated risks defined by the operating company, the following protective equipment may also be necessary:



Chemical-resistant protective gloves

to protect hands from aggressive substances. Check for leak tightness prior to use. Clean gloves before taking them off, then store in a well-aired location.

2.5 Special risks

The following section defines remaining risk elements that were defined in a risk assessment procedure:

It is important that you pay attention to the safety instructions and warnings contained in the next chapters of this manual to reduce health hazards and dangerous situations.

Electric power



DANGER!

Danger of death - risk of electrocution!

Contact with live parts may result in immediate death. Damaged insulation or individual components may be lethal.

To avoid safety risks, please follow the instructions below:

- Make sure that all work on the electrical system is carried out by qualified electricians.
- Switch off the power prior to maintenance, cleaning or repair work and provide a safeguard against unintentional restart.
- Check electrical equipment regularly.
- Exchange damaged components, cords or cables immediately.
- Keep the control cabinet closed at all times. Make sure that access is granted only to qualified electricians!
- Never clean electrical equipment with water!
- Follow all the instructions contained in the manual "Electrical Control Unit".

Safeguard against restart



DANGER!

Unauthorised restart may result in death!

During the installation process, there is a risk that the power supply is unintentionally switched back on. This puts persons in the hazard area at risk of death.

To avoid safety risks, please follow the instructions below:

- Ensure that all power supplies are switched off before work commences and that a safeguard against unintentional restart is provided.

Noise



WARNING!

Risk of hearing damage resulting from noise!

The noise level in the work area may cause severe hearing damage. To avoid safety risks, please follow the instructions below:

- Wear ear protection at all times during operation.
- Remain in the hazard area only for as long as necessary.

Insufficient Lighting



WARNING!

Risk of injury due to hazards resulting from insufficient lighting!

Insufficient lighting in the work area increases the risk of tasks not being completed properly due to lack of visibility. This may cause hazards that pose a risk of injury.

To avoid safety risks, please follow the instructions below:

- Make sure that all work areas are lit properly.
- Make sure that defect lighting equipment is exchanged immediately.

Dirty and Stray Objects



CAUTION!

Danger of tripping due to dirt and stray objects!

Dirt and stray objects are stumbling and slipping hazards and may cause considerable injuries.

To avoid safety risks, please follow the instructions below:

- Keep the work area clean at all times.
- Remove objects that are no longer needed.
- Mark tripping hazards with a yellow-black marker band

Climbing on the Machine



DANGER!

Climbing on the machine may result in death!

Falling off this machine may result in death.

To avoid safety risks, please follow the instructions below:

- Make sure that nobody climbs on the machine, in particular, on the drive section and the protective covers.
- Make sure that only approved ladders, scaffolding or pedestals are used during maintenance work

Pedestals and ladders



WARNING!

Falling off pedestals or ladders may cause serious injuries!

Pedestals or ladders that are used to reach high machine components are fall hazards and may cause extremely serious injuries if used improperly.

To avoid safety risks, please follow the instructions below:

- Ensure that ladders and pedestals are stable.
- Ensure that the necessary safety distances to sources of danger are complied with.
- Ensure that only ladders and pedestals with non-slip surfaces are used.
- Ensure that safety shoes are worn.
- Ensure that sufficiently dimensioned guardrails are provided.
- Ensure that all maintenance tools are removed once the maintenance work is completed.

Overhead Loads



WARNING!

Overhead loads may cause death!

Falling loads may cause severe injuries or even death.

To avoid safety risks, please follow the instructions below:

- Never stand below overhead loads.
- Ensure that loads are only moved under supervision.
- Ensure that the load is put down when the work area is left unattended.
- Ensure that only appropriate, authorized and certified hoisting devices and lifting accessories with sufficient carrying capacity are used. Always take into account the weight of the machine components to be lifted.
- Never use ripped or worn ropes and belts.
- Always consider the provided information on suspension points.
- Do not attach ropes to protruding machine components or to hooks of fitted components.
- Ensure that the fitting accessories are attached properly.
- Ensure that ropes and belts do not rub against sharp edges and corners and are not twisted or knotted.

Tilted Loads



WARNING!

Tilted loads may cause injuries!

Tilted loads may cause serious injuries.

To avoid safety risks, please follow the instructions below:

- Always safeguard components against overturning.
- Ensure that only appropriate, authorized and certified hoisting devices and lifting accessories with sufficient carrying capacity are used. Always consider the weight of the machine components to be lifted.
- Ensure that loads are only moved under supervision.

Off-Centre loads



WARNING!

Fall hazard due to off-centre loads!

Handling units may have off-centre balance points. Incorrect positioning may cause the handling unit to fall and cause injuries or death.

For this reason:

- Always follow the instructions on the handling unit.
- Position the crane hook in such a way that it is located above the balance point.
- Lift the load carefully and observe whether the load tilts. Change position if necessary.
- Position the forks of the forklift under the indicated contact points of the machine. Ensure that the machine or the machine components cannot tilt. Secure the load if necessary.

Explosive Dust



WARNING!

Explosion hazard resulting from dust!

If dust is fed onto the machine together with the material, or if a considerable amount of dust develops during the shredding process, there is a danger of explosion.

Explosions may cause extremely severe injuries as well as massive material damage. To avoid safety risks, please follow the instructions below:

- A strict ban on smoking, open light sources, fire and/or ignition sources of all kinds must be in place in the facility and in the machine hall.
- Clean the hazard area regularly to keep it free of dust.
- Operate the machine only in conjunction with a sufficiently dimensioned extraction and/or ventilation system when dust develops.

Harmful Dust



WARNING!

Dust may be harmful to your health!

In the long term, the dust you breathe in may damage your lungs or cause other damage to your health.

To avoid safety risks, please follow the instructions below

- Wear a light breathing mask while working in the hazard area.
- Operate the machine only in conjunction with a sufficiently dimensioned extraction and/or ventilation system when harmful dust develops.

Highly flammable material



WARNING!

Highly flammable material is a fire hazard!

Highly flammable material, material to be shredded, liquids or gases may catch fire and cause severe injuries or death.

To avoid safety risks, please follow the instructions below:

- Pay attention to the safety data sheets of the material being shredded and the machinery materials.
- Obtain information on appropriate extinguishing agents and methods.
- Keep an appropriate fire extinguisher ready. Make sure that operating and maintenance staff are familiar with handling fire extinguishing equipment.
- Comply with local fire prevention regulations.
- Ban smoking within and around the hazard area. Do not handle open fires or ignition sources.
- In case of fire, stop all work immediately and disconnect the machine from the mains before fire-fighting measures are initiated.
- Act in accordance with the internal emergency plan in case of fire.

Hot operating materials and machine components



WARNING!

Danger of burns resulting from hot operating materials and machine components!

Operating supplies and machine components can get very hot during operation and cause burns upon contact.

To avoid safety risks, please follow the instructions below:

- Check the temperature of all operating supplies and machine components prior to handling them. Let them cool down if necessary.

Machine Start up



WARNING!

Danger of injuries resulting from machine start-up

Persons entering the machine's hazard area are at risk of extremely serious injuries.

To prevent situations of this sort:

- Ensure that no other persons remain in the hazard area to avoid accidents during machine start-up.

Moving Components



WARNING!

Danger of injuries resulting from moving components!

Rotating and/or linear moving components may cause serious injuries.

To avoid safety risks, please follow the instructions below:

- Do not touch or handle moving parts during operation.
- Do not remove covers during operation.
- Apply caution during run-down time. Ensure that all components have stopped moving before removing covers.
- Wear tight-fitting protective clothing in the hazard area

Sharp edges and corners



CAUTION!

Danger of injuries resulting from sharp edges and corners!

Sharp edges and corners may graze and cut the skin.

To avoid safety risks, please follow the instructions below:

- Be very careful when working near sharp edges and corners and when handling sharp-edged components.
- If in doubt, wear protective gloves.

Material to be shredded



WARNING!

Danger of injuries resulting from the shredding of certain materials!

The shredding of certain materials may cause extremely serious injuries.

To avoid safety risks, please follow the instructions below:

- Stack fibres, ribbons, ropes, foil etc. prior to Shredding them or cut them into small pieces.
- Make sure that containers and barrels are completely empty before feeding them into the machine.

Sharp edged material to be shredded or granulated material



WARNING!

Danger of injuries resulting from sharp-edged material being shredded!

Material to be shredded or granulated material with sharp edges and pointy corners may graze or cut the skin.

To avoid safety risks, please follow the instructions below:

- Never touch the discharged material during operation.
- Never touch the granulated material.
- Always wear protective gloves.

Harmful material to be shredded (optional)



WARNING!

Material to be shredded may be harmful to your health!

Long-term exposure to dusts or gases may cause lung damage.
Long-term skin contacts with the material may cause damage to your health.

To avoid safety risks, please follow the instructions below:

- Consider the safety data sheets for the material to be shredded.
- Follow the local applicable directives and regulations for handling the material being shredded.
- If in doubt, wear a light breathing mask.
- If in doubt, wear protective gloves.

Control Cabinet



CAUTION!

Water, dirt, dust and other environmental factors may cause material damage!

If the door of the control cabinet is open, there is a danger of water, dirt, dust and other environmental factors causing damage to the machine.

To prevent situations of this sort, please follow the instructions below:

- Keep the doors of the control cabinet closed at all times.
- Access should be granted to qualified staff only.
- Make sure that no water, dirt or dust gets into the control cabinet.

2.6 Safety Devices



WARNING!

Malfunctioning safety devices may cause death!

Safety is only warranted when all safety devices function properly.
To prevent safety risks, please follow the instructions below:

- Check that all safety devices function properly and are installed correctly.
- Never disable safety devices.
- Ensure that safety devices such as the emergency stop button are clearly visible and accessible.
- If the emergency stop buttons were installed by the operating company, ensure that they comply with local directives and regulations.

The following safety devices are installed on the machine:



Emergency stop buttons

Note! For further information on the position of the emergency stop buttons, see chapter 4.4

Warning!

Accidental restarts may cause severe injuries or death.

To prevent safety risks, please follow the instructions below:

- Prior to restarting the machine, ensure that the reason for the emergency stop has been removed and that all safety devices are installed and working properly.
- Only disconnect the emergency stop button when the danger is over.

Accidental restarts may cause death!



By pressing the emergency stop, an emergency stop is triggered.
After a brief run-down period, the machine will stop.

After pressing the emergency stop button, pull the button to release it so that the machine can be restarted.

Depending on the way the machine and the control cabinet are mounted (see chapter 6.2.6 and

6.2.7), the operating company may have to retrofit the following safety devices:

Acoustic and visual warning signals



Warning

Malfunctioning warning signals may cause death!

Safety is only warranted when all warn signals function properly.
To prevent safety risks, please follow the instructions below:

- Check that all warning signals function properly and have been installed correctly before starting work.
- Never disable warning signals.
- Ensure that visual warning lights are always clearly visible.

2.7 Safety Guards



WARNING!

Malfunctioning or missing safety guards may cause death!

Safety is only warranted when all safety guards are installed correctly and function properly.

To prevent safety risks, please follow the instructions below:

- Check that all safety guards work properly and have been installed correctly before starting work.
- Never disable safety guards.
- Only remove safety guards when the power supply has been isolated and locked off as a safeguard against unintentional restart has been set up. The machine must have come to a standstill.
- Do not climb on safety guards.

2.8 Preventing accidental or unauthorised restarts

**DANGER!****Unauthorized restart may result in death!**

When work is carried out in the hazard area, there is a risk of the power supply being switched back on without authorization. This puts persons in the hazard area at risk of death.

To prevent safety risks, please follow the instructions below:

- Follow the instructions on how to prevent unauthorized or accidental restart contained in this manual.
- Always observe the following section on how to prevent unauthorized or accidental restarts.

Preventing unauthorised or accidental restarts:

1. Put the main switch in the "OFF" position to disconnect the power supply.
2. Protect the switch against unauthorised restarts with a padlock.
3. The key for the padlock on the main switch must be stored by the person carrying out work on the machine.

2.9 What to do in hazardous situations and in case of accidents**Preventive measures:**

- First-aid equipment (first-aid kit, blankets etc.) and appropriate fire extinguishers in sufficient quantities must be kept within easy reach.
- Ensure that staff are familiar with the internal emergency plan.

What to do in case of accidents:

1. Press emergency stop button immediately.
2. Put the main switch in the "OFF" position to disconnect the power supply.
3. Protect the switch against unauthorised restarts with a padlock.
4. Initiate first-aid measures according to the internal emergency plan.

2.10 What to do in case of fire**Preventive measures:**

- Ensure that staff are familiar with the internal emergency plan and know how to handle the fire extinguishers.
- Ensure that a sufficient number of fire extinguishers are kept within easy reach. Remember that the transmission and hydraulic oils in the tank and in the lines are highly flammable.
- Act in accordance with local fire protection regulations.

What to do in case of accidents:

1. Press emergency stop button immediately.
2. Disconnect the machine from the main power supply.
3. Initiate first-aid measures according to the internal emergency plan.

2.11 What to do if the machine is damaged

In case of damage to the machine, please follow the instructions below:

1. Put the main switch in the "OFF" position to disconnect the power supply.
2. Protect the switch against unauthorised restarts with a padlock.
3. Immediately inform the person in charge of any defects or damages to the machine.
4. Only restart the machine once all defects or damages have been repaired and safe.

2.12 What to do in case of faulty operation

In case of faulty operation, please follow the instructions below:

1. Put the main switch in the "OFF" position to disconnect the power supply.
2. Protect the switch against unauthorised restarts with a padlock.
3. Immediately inform the person in charge of any signs of faulty operation.
4. Have the source of the faulty operation determined by a specialist.
5. Have the source of the faulty operation removed by a specialist.

2.13 Environmental protection



CAUTION!

Improper handling may pose a danger to the environment!

Improper handling of substances that are harmful to the environment, in particular improper disposal, may cause considerable damage to the environment.

To prevent safety risks, please follow the instructions below:

- Always act in accordance with the principles for environmental protection specified in this manual.
- If harmful substances are accidentally released into the environment, appropriate action must be taken immediately. If in doubt, inform the local authorities of the damage.
- Substances harmful to the environment must always be collected, stored and transported in appropriate containers.

This machine operates with the following substances that are harmful to the environment:

Lubricants

Lubricants such as grease and oil contain toxic substances and must not be released into the environment. They must be disposed of by a specialist waste disposal firm in accordance with local regulations.

Gear Oil

Gear oil contains toxic substances and must not be released into the environment. Please refer to the appropriate safety data sheet. Gear oil must be disposed of by a specialist waste disposal firm in accordance with local regulations.

Material to be shred

The material to be shredded may also contain toxic substances that must not be released into the environment. Please refer to the appropriate safety data sheet and comply with all the instructions listed there.

Machine Components

Machine components that are exchanged may be contaminated by oil or grease and may thus contain toxic substances. For this reason, they must not be released into the environment. They must be disposed of by a specialist waste disposal firm in accordance with local regulations.

Handling of packaging materials



CAUTION!

Improper disposal constitutes a danger for the environment! Packaging materials are precious raw materials that can often be recycled or reused.

To ensure that your packaging materials are reused wisely, please follow the instructions below:

Dispose of packaging materials in an ecologically sound manner.

- Always comply with local regulations regarding waste disposal. If necessary, hire a specialist waste disposal firm.

Always dispose of packaging materials in accordance with local rules and regulations.

2.14 Labelling

This section provides an overview of the signs and symbols that are displayed on the machine. They refer to the immediate environment in which they are displayed.



WARNING!

Danger of injuries resulting from illegible signs!

Dirt or other factors may impair the legibility of stickers and signs over time.

To avoid safety risks, please follow the instructions below:

- Ensure that all safety information, warnings and operating instructions are legible at all times.
- Exchange damaged stickers or signs immediately.
- Never cover up safety information, warnings or operating instructions or impair visibility in any other way.

The following mandatory/information signs are displayed on the machine:



Emergency Stop.

The Emergency stop sign indicates where on the machine the emergency stop buttons are.



Do not climb on machine.

It is forbidden to climb on machine to mitigate safety risks, this applies even if the machine is not operating.



WARNING! Do not remove guards without isolating.

It is forbidden to remove the guards when the machine is running. If you require to remove the guards, ensure that the main power switch is set to the "OFF" position and protect against accidental restarts with a padlock.

DANGER! 415 Volts.



Danger
415 volts

Electrical components and cables have the ability to electrocute personnel, causing serious injuries or death. NEVER touch electrical components when the machine is in operation.

CAUTION



Keep hands and fingers clear

CAUTION! Keep hands and fingers clear.

It is forbidden to put hands and fingers anywhere near moving components while the machine is in operation.



Ear, eye and head protection must be worn

Ear, eye and head protection must be worn.

If you are working on the machine, or in the immediate area of the machine, you should always wear appropriate ear, eye and head protection.



Safety helmets, boots and protective clothing to be worn at all times

Safety helmets, boots and protective clothing to be worn at all times.

If you are working on the machine or in the immediate are, you should wear protective helmet, boots and safety clothing.



Grease point

Grease point

Grease point sign to indicate the grease points that require grease in accordance with the servicing agreement. See (chapter



Always consult the operating manual first

Only use the machine with all signs displayed once you have read and understood the operating manual.



Grease gun

Make sure to operate the grease gun according to the manual.

2.15 Requirements for ladders, scaffolding and pedestals

Pedestals or ladders that are used to reach higher situated machine components for maintenance or service purposes must:

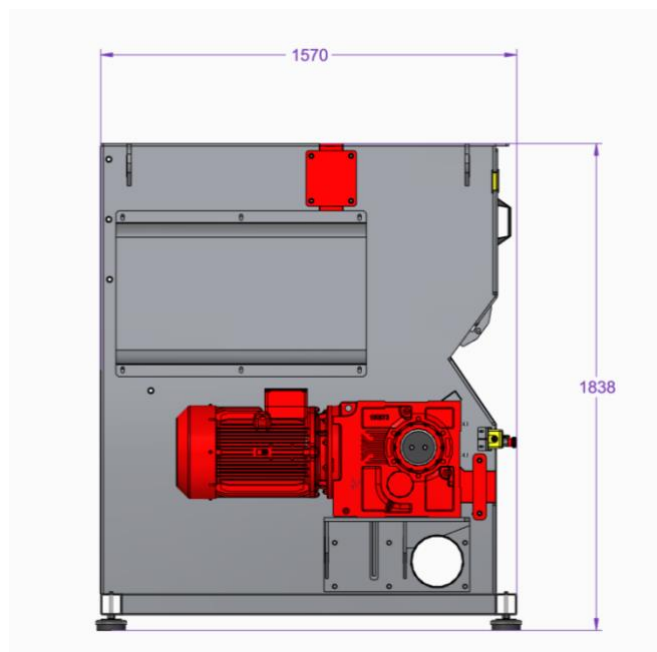
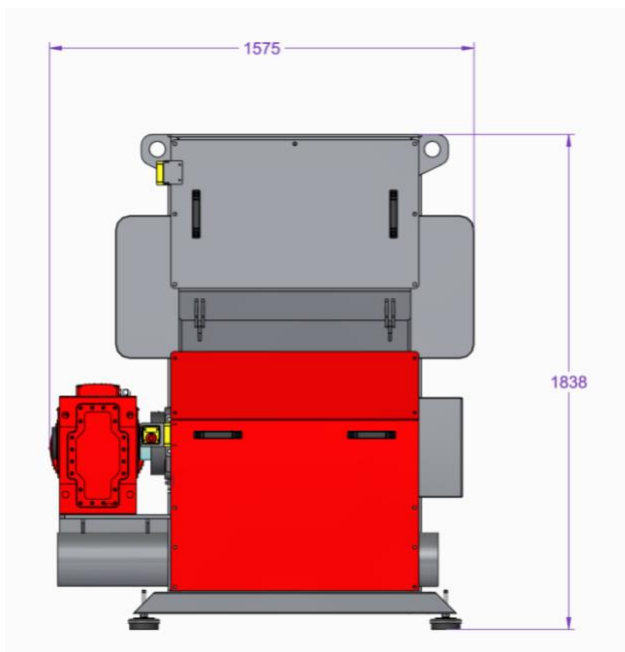
- Be stable.
- Be equipped with sufficiently dimensioned guardrails.
- Have a non-slip surface.
- Comply with all standards and regulations for their assembly.

3. Technical Data

3.1 Dimensions

(The Values here are the standard dimensions of the machine. Actual values may differ depending on customer specifications.)

Bulldog Shredder



3.2 General Specifications

Specification	Value	Unit
Serial Number	BD***	
Machine Type	BD800	
Year of Manufacture	2026	
Input Rating	15	kW

3.3 Weight

Specification	Value	Unit
Machine	2200	Kg

3.4 Electrical Specifications

Specification	Value	Unit
Supply Voltage	415	V
Frequency	50	Hz



NOTE!

For more information on electrical specifications, please consult the "Electrical Control Unit" manual.

Please ensure that a sufficiently dimensioned electrical connection and stable voltage are provided. In case of overcurrent reversion, the power intake of the drive motor may be up to four times the rated current. In this case, stable voltage must be provided by means of a sufficiently dimensioned supply line to prevent a voltage drop of more than 5%.

3.5 Operating Conditions

Environmental

Specification	Value	Unit
Temperature range of the machine	0-40	°C
Temperature range of the control cabinet	5-40	°C
Relative humidity at a maximum temperature of 40°C	< 70	%
Site of operation	Covered area, protected from direct humidity	

3.6 Emissions

Noise emission based on EN ISO 3746

Specification	Value	Unit
Workplace-related noise level (LA, max)	65*	dB
Sound Power Level (Lw, A)	78**	dB

*These emission values vary depending on the nature of intended use of the Shredder.

**These emission values refer to the idle mode of the standard machine.

Air-borne emissions

Depending on the consistency and type of material being shredded, dusts may develop during the process that may cause irritations of the respiratory systems or the lungs. The operating company must perform a risk assessment and take appropriate measures to reduce risks if necessary.

3.7 Operating Manuals



WARNING!

Operating materials and supplies may be harmful to your health!

Long-term exposure to gases may cause lung damage. Long-term skin contact with the process materials may be harmful to your health.

To avoid safety risks, please follow the instructions below:

- Always consult the safety data sheets for operating materials and supplies. If necessary, request the appropriate safety data sheets from the manufacturer.
- Always follow local directives and regulations for handling the process materials.
- If in doubt, wear a light breathing mask.
- If in doubt, wear protective gloves.



CAUTION!

Danger of material damage resulting from non-approved operating materials and supplies!

Using non-approved operating materials and supplies may cause damage, malfunction or total machine failure.

For this reason, make sure that you

- use only the specified operating materials and supplies.

3.7.1 Gear oil



CAUTION!

Mixing different types of oil may cause material damage!

Using non-approved operating materials and supplies may cause damage, malfunction or total machine failure.

To avoid safety risks, please follow the instructions below:

- Use only the specified gear oil.
- Do not mix the gear oil with other oil types or change brands. In particular, do not mix synthetic with mineral oils.
- Never rinse gears with petroleum or other cleaning agents.

Machine type	Power consumption (Kw)	Volume	Oil Type (Mineral or Synthetic)
Bulldog Single Shaft Shredder	1.5Kw	20 Litres	220 or 320
			220 or 320

3.7.2 Lubricant Grease



CAUTION!

Insufficient lubrication may cause material damage!
 Insufficient lubrication may cause damage to the bearings and machine failure.

To avoid safety risks, please follow the instructions below:

- Ensure that the lubrication intervals specified in the maintenance plan are complied with.
- Ensure sufficient grease lubrication.

Grease volume per lubricating point:

Number	Machine Type	Value	Unit
9 pumps	Bulldog Single Shaft Shredder	Approx. 18	g



NOTE!

2g of grease correspond to approx. one pumping motion with the integrated grease gun.

3.8 Type Label

The label is mounted on the machine casing and contains the following information.



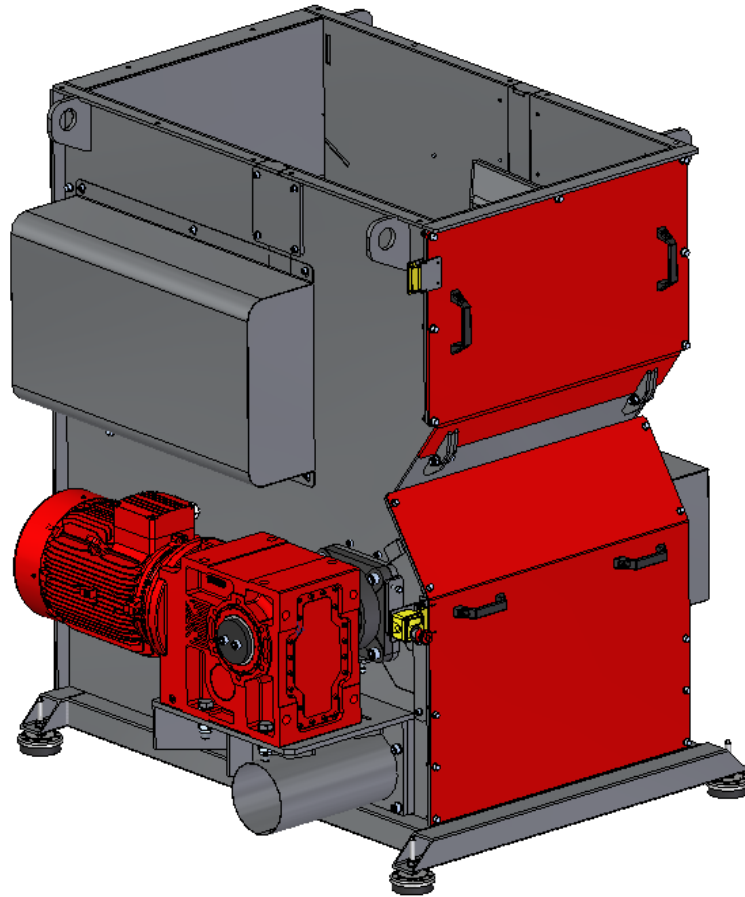
Model Number	
Serial Number	
Date of Manufacture	
Power	
Volt / Hz	

Bulldog Wood Shredders,
Unit 13, Walton Industrial Estate,
Beacon Road,
Stone
ST15 0NN
(+44) 01785 813 772



4. Design and Function

4.1 Overview

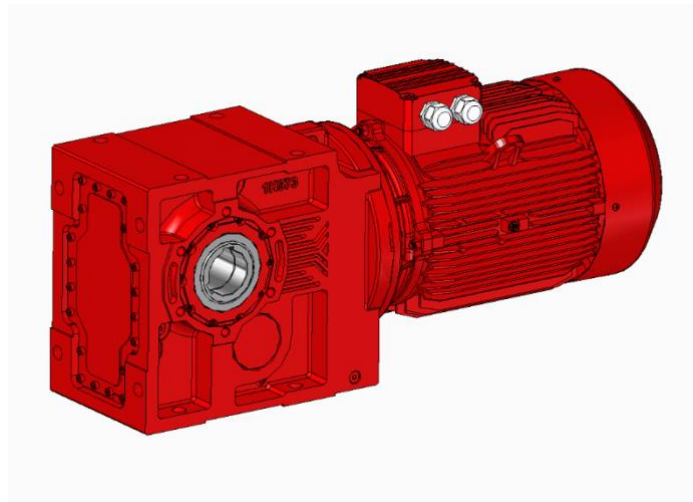


This Bulldog single shaft is designed so that the material is to be fed into the hopper. Once material has been loaded into the hopper, it will proceed to be pushed into the rotor by the feeder box. Once the material is pushed into the cutting unit, the material that has been cut to the required size will fall through the perforated screen. Any material that is still too large will be carried around by the rotor to be shredded finer when it meets the counter knife once again. For details of the individual components, please see the stages below.

4.2 Description of components

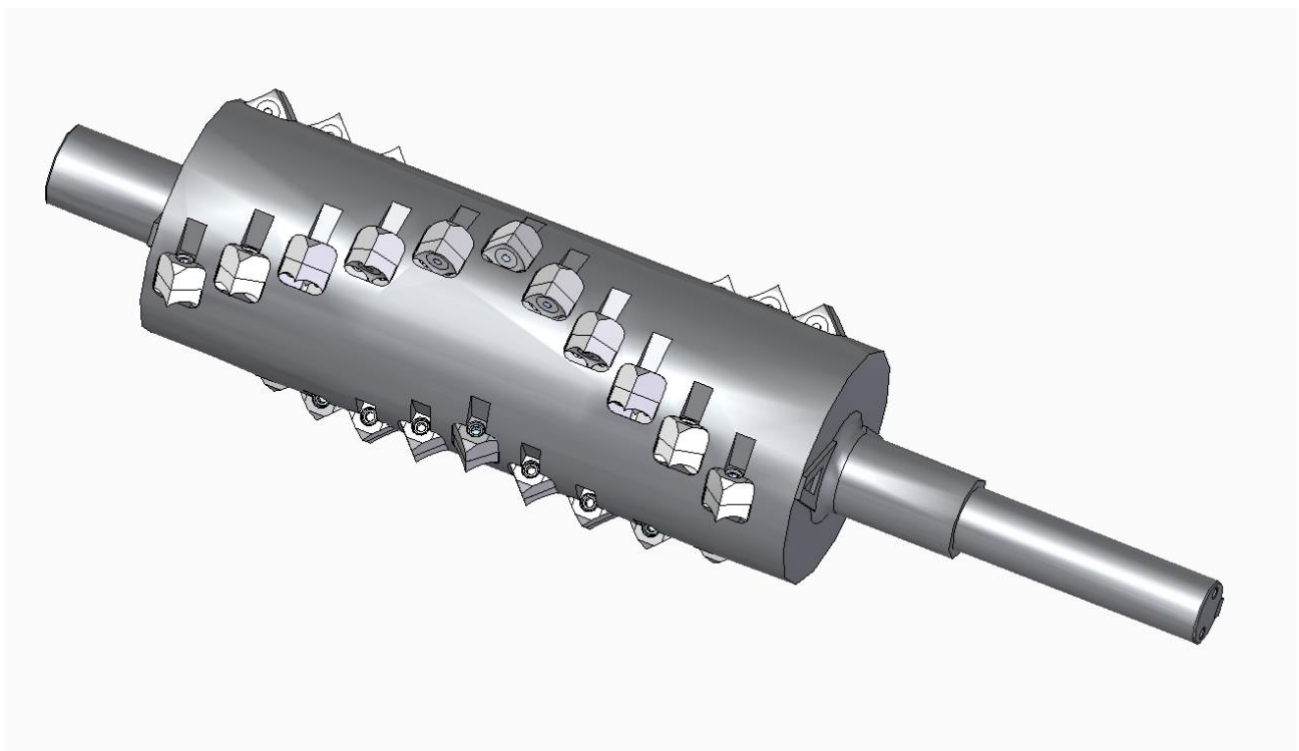
Gearbox motor

The gearbox motor is mounted to the side of the shredder frame to provide drive to the rotor



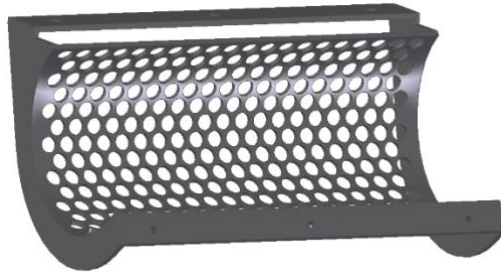
Rotor

The rotor is the main cutting component in the shredder. The knives can be turned or replaced once worn.



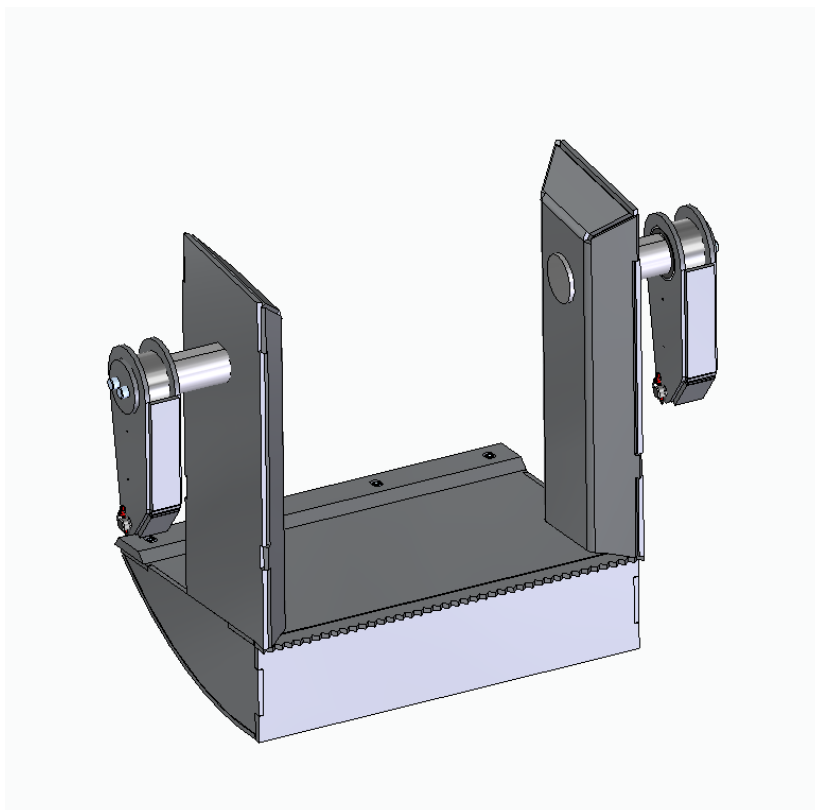
Perforated Screen

The perforated screen is mounted below the rotor to separate the material that has been cut to the correct size from the larger pieces.



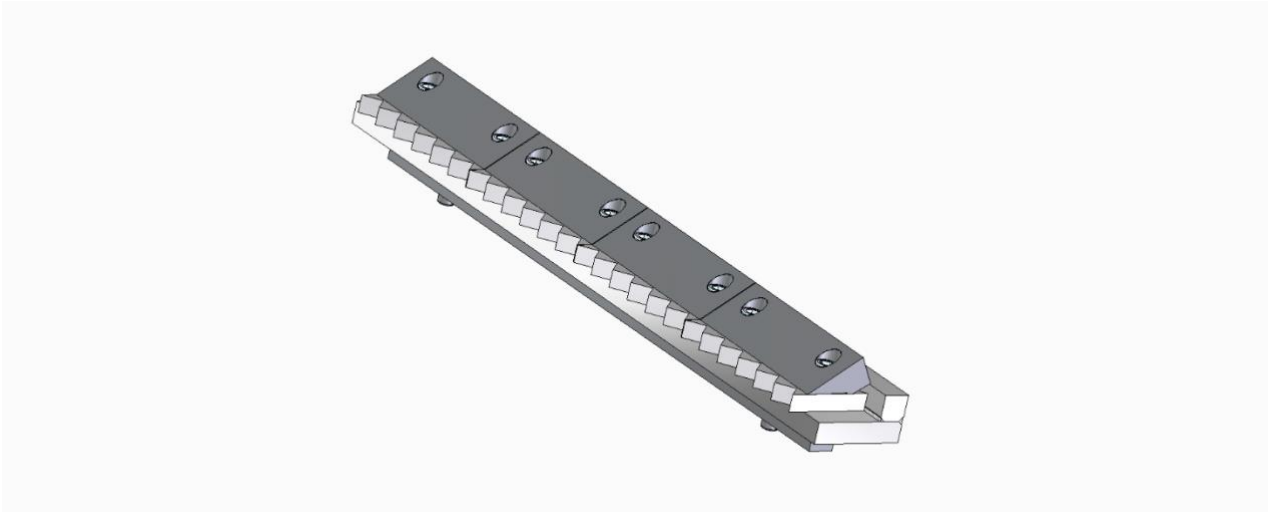
Feeder box

The feeder box is designed to consistently push present material into the rotor to ensure constant through put.



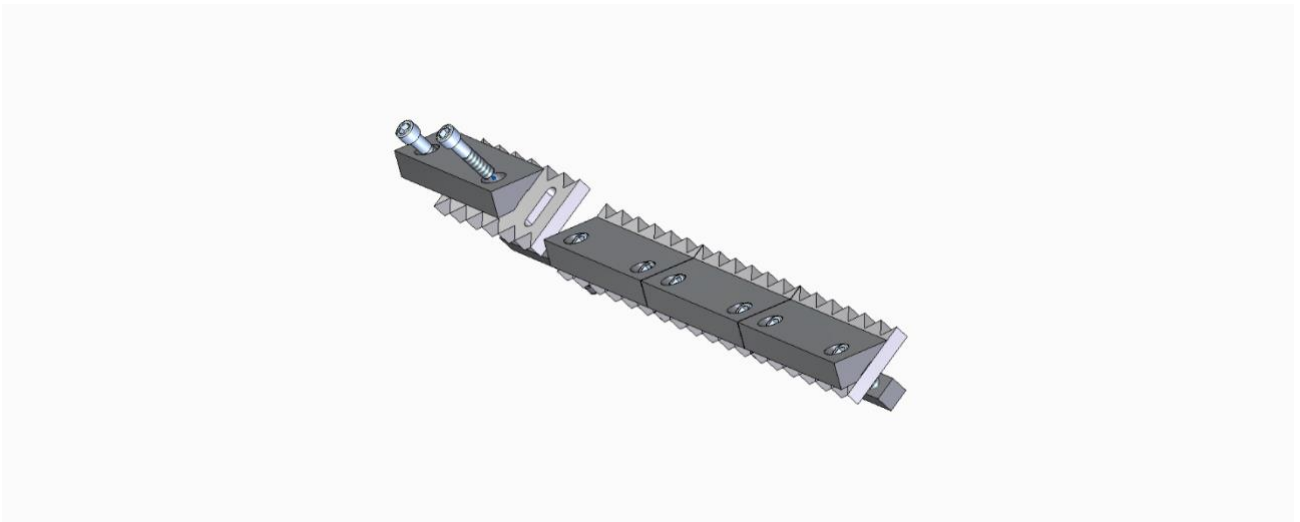
Counter knife Bar

The counter knife bar is designed to hold the counter knives at the appropriate angle that offer's strong, consistent shredding of material.



Counter knives

The counter knives are secured at the correct angle by clamping plates that are held in position from above.

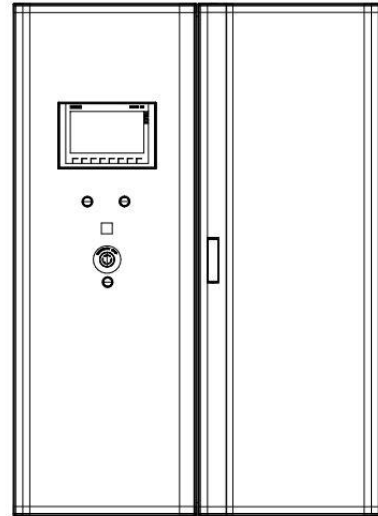


Control Panel

The control panel regulates the operation of the machine. The control system inside the panel is designed to protect the machine from overloading.

The control panel doors **MUST** be closed at all times while the control panel is live, as well as when the machine is in operation.

Filters must be cleaned at regular intervals to ensure clean air is keeping the control system at ambient temperature.



NOTE!

For more detailed information on the control unit, see the "Electrical Control Unit" manual

4.3 Operating Hazard Areas

4.3.1 Operating areas

Primary operating area

During operation, the material to be shredded is fed into the machine hopper. The machine is operated via the operating unit located on the control cabinet.

Secondary operating area

For servicing and maintenance purposes, work may be carried out on all the machine components.

4.3.2 Hazard areas



NOTE!

The hazard area around the Shredder is 3 meters.
 When the machine is running, the personal protective equipment must be worn in this area.

Areas inside the machine

When the machine is running, the entire inside area of the machine (hopper, cutter, ejection area) constitutes a hazard area. During servicing and maintenance work, there is a risk of components falling over or down and causing serious injuries.

Perforated Screen

When the machine is running, there is a risk of limbs being cut off, crushed or grazed in the area around the perforated screen. During exchanging the perforated screen there is a risk of limbs being crushed or cut by worn or damaged perforated screen tubs.

Discharge Area

When the machine is running, there is a risk of limbs being pushed, pierced, cut, crushed or burnt in the discharge area situated underneath the shredder.

Cutters

When the machine is running, there is a risk of limbs being amputated, crushed or grazed when reaching into the cutters through the loading or discharge opening. There is a risk of limbs getting caught or tangled up in the cutters, thus causing serious injuries. During servicing and maintenance work, there is a risk of limbs being cut, crushed or grazed in the cutting area. During servicing and maintenance work, there is a risk of limbs being grazed and crushed in the area between the cutters and the machine casing. During cutter exchanges, there is a risk of components falling over or dropping and causing serious injuries.

Loading area (hopper)

There is a risk of persons falling into the hopper. This may lead to extremely serious injuries.
 When the machine is running, there is a risk of material to be shredded being ejected from the hopper and causing severe injuries.
 If the machine is not loaded correctly, there is a risk of material to be shredded being ejected and causing serious injuries

Material to be shredded

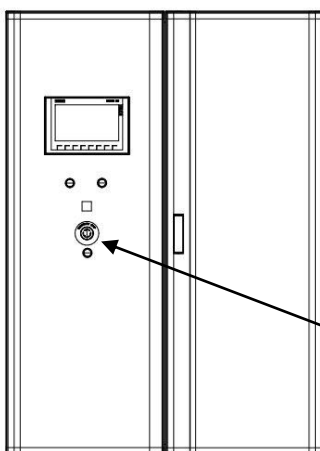
The material to be shredded and the final granules may have sharp edges. There is a risk of amputation or cuts when reaching into the material to be shredded with bare hands.
 There is a risk of limbs getting caught or tangled up in the material to be shredded, thus causing serious injuries.
 Harmful dusts may develop during the shredding process. There is a risk of inhalation or swallowing.
 Explosive dusts may develop during the shredding process. An explosion may cause extremely serious injuries.

Control panel doors and protective covers

During the opening and closing of control cabinet doors and safety covers, there is a risk of hands getting crushed. When the doors are open, there is a risk of limbs or heads knocking against open door.

Electrical installation and control panel

When unauthorized work is carried out on the electrical installation system or the system is not installed properly, there is a danger of death by electrocution.



4.4 Location of emergency stops

WARNING!

Inaccessible or malfunctioning emergency stop buttons may cause death!

Safety can only be warranted if the emergency stop buttons are easily accessible and functioning properly.

To avoid safety risks, please follow the instructions below:

- Check whether all emergency stop buttons are installed and functioning properly before starting work.
- Never disable the emergency stop buttons.
- Ensure that all emergency stop buttons are clearly recognizable and easily accessible.

The emergency stops buttons are red mushroom-head

push buttons and are located on the control cabinet.
 The emergency stop buttons are triggered by pushing and released by pulling.

If the emergency stop button is activated, all machine operations stop. After a short run-down period, the machine will stand still.



4.4.1 Main Switch



The main isolator switch is situated on the control panel.

The main isolator activates and deactivates the power supply.

ON » Power supply is switched on
 OFF » Power supply is switched off

Securing the main switch

Use a padlock to protect the main isolator from accidental reactivation and to secure it in the OFF position.



DANGER!

Risk of death and material damage resulting from accidental or unauthorized reactivation!

Even if the main switch is protected with a padlock, people may still be present in the hazard area. If the switch is reactivated, these persons may be at risk of death.

To avoid safety risks, please follow the instructions below:

- Never remove the padlock without authorization.
- The key for the padlock on the main switch must be stored by the person carrying out work on the machine.
- Before removing the padlock, make sure that no other persons remain in the hazard area.

4.5 Modes of operation



NOTE!

For more detailed information on the control unit, see the "Electrical Control Unit" manual.

The operating modes "Continuous Operation" and "Automatic Operation" are selected via the operating mode selection switch.

4.5.1 Manual operation

In Manual operation mode (switch position MANUAL), the machine will run in accordance with the input signals given by the operator. To switch off the machine, press the stop button.

4.5.2 Automatic operation

In automatic operation mode (switch position "AUTO"), the machine will run continuously until the operator terminates operation.

4.6 Transport, packaging and storage

4.6.1 Safety

Staff

The machine must only be transported by specially trained staff.

Electrical Installation



DANGER!

Danger of death – risk of electrocution!

Contact with live components may cause death. Live electrical components may perform sudden jerky movements and cause extremely serious injuries.

To avoid safety risks, please follow the instruction below:

- Before transporting the machine, disconnect the electrical power supply.

Preventing accidental or unauthorised restarts



DANGER!

Unauthorized restart may result in death!

During installation, there is a risk that the power supply is unintentionally switched back on.

This puts persons in the hazard area at risk of death.

To avoid safety risks, please follow the instruction below:

- Ensure that all power supplies are switched off before work commences and that a safeguard against unintentional restart is provided.

Improper Transport



CAUTION!

Improper transport may cause damage!

Improper transport may cause serious material damage.

To avoid safety risks, please follow the instructions below:

- Take great care when unloading the handling units after delivery or when transporting them in-house and always follow the instructions on the packaging.
- Transport items exclusively in their installed position.
- Only use the attachment points provided.
- Only remove packaging shortly before installation.

Overhead Loads



WARNING!

Overhead loads may cause death!

When working with overhead loads, there is a risk of death resulting from falling or swaying parts.

To avoid safety risks, please follow the instructions below:

- Never stand below overhead loads.
- Ensure that loads are only moved under supervision.
- Ensure that the load is put down when the work area is left unattended.
- Ensure that only appropriate, authorized and certified hoisting devices and lifting accessories with sufficient carrying capacity are used. Always consider the weight of the machine components to be lifted.
- Never use slightly ripped or worn ropes and belts.
- Always consider the information on suspension points provided.
- Do not attach ropes to protruding machine components or to hooks of fitted components.
- Ensure that the fitting accessories are attached properly.
- Ensure that ropes and belts do not rub against sharp edges and corners and are not twisted or knotted.

Tilted Loads



WARNING!

Tilted loads may cause injuries!

Tilted loads may cause serious injuries.

To avoid safety risks, please follow the instructions below:

- Always safeguard components against overturning.
- Ensure that only appropriate, authorized and certified hoisting devices and lifting accessories with sufficient carrying capacity are used. Always consider the weight of the machine components to be lifted.
- Ensure that loads are only moved under supervision.

Off-Centre Loads



WARNING!

Fall hazard due to off-centre loads!

Handling units may have off-centre balance points. Incorrect positioning may cause the handling unit to fall and cause injuries or death.

To avoid safety risks, please follow the instructions below:

- Always follow the instructions on the handling unit.
- Position the crane hook in such a way that it is located above the balance point.
- Lift the load carefully and observe whether the load tilts. Change position if necessary.
- Position the forks of the forklift under the indicated contact points of the machine. Ensure that the machine or the machine components cannot tilt. Secure the load if necessary.

4.6.2 Transport by crane.



NOTE!

After transport, all transport aids must be disassembled and removed

To transport handling units by crane, always follow the instructions below:

- Cranes and hoisting devices must be designed for the weight of the handling unit.
- The crane-operating company must be authorised to operate the crane.

Load attachment: See diagram below

- Attach ropes, belts or multi-point harnesses to the attachment points of the handling unit (see 1).
- Ensure that the handling unit will not be damaged by the lifting gear. If necessary, use different lifting gear.
- Start transport.

4.6.3 Transport inspection

Upon delivery, immediately check the handling unit for completeness and transport damage.

In case of externally visible transport damage, follow these steps:

1. Do not accept the delivery or only accept it with reservations.
2. Record the extent of the damage on the transport documents or the carrier's delivery note.
3. Initiate complaint procedures.



NOTE!

Please complain about each fault as soon as it is detected. Claims for damages can only be made within the specified warranty period.

4.6.4 Packaging

-

The individual handling items are packaged according to the expected transport conditions.

The packaging is intended to protect the individual components from transport damage, corrosion and other damages until installation begins.

For this reason, do not destroy or remove packaging until just before installation begins.

Always dispose of packaging materials in accordance with local rules and regulations.

**CAUTION!**

Improper disposal may be harmful to the environment!

Packaging materials are precious raw materials that can often be recycled or reused.

To avoid safety risks, please follow the instructions below:

- Dispose of packaging materials in an ecologically sound manner.
- Always comply with local regulations regarding waste disposal. If necessary, hire a specialist waste disposal firm.

5. Storage

**NOTE!**

Storage instructions on the packaged units may exceed the requirements listed here. In that case, follow the instructions on the units.

5.1 Storage of packaged units and machine components

Store packaged units and machine components in the following conditions:

- Do not store outdoors.
- Store in a dry, dust-free place.
- Do not expose to aggressive media.
- Protect from direct sunlight.
- Avoid mechanical vibrations.
- Storage temperature: 15 to 35°C
- Relative humidity: max. 60%
- If items are stored for longer than three months, check the overall conditions of all parts and packaging on a regular basis. If necessary, refresher renew conservation. Avoid extreme temperature fluctuations to prevent condensation water formation.

5.2 Storage of gears and motors

Store gears and motors under the following conditions:

- If possible, store in the fitting position.
- Do not store outdoors.
- Store in a dry, dust-free place.
- Do not expose to aggressive media.
- Protect from direct sunlight.
- Avoid mechanical vibrations.
- Storage temperature: 15 to 35°C
- Relative humidity: max. 60%
- Conserve bare machine components and internal spaces of motors and gears with anti-corrosion agent.
- Check corrosion protection every six months and reapply if necessary.
- If gears and motors are stored for longer than six months, check the bearings by manually turning the drive shaft and/or output shaft. The drive shaft and/or output shaft must not be in the same position as before the turning motion.
- If gears and motors are stored for longer than four years, exchange all bearings and seals.
- Avoid extreme temperature fluctuations to prevent condensation water formation.

5.3 Machine downtime

In case of prolonged downtime periods, the additional requirements listed below must also be met:

- Run machine until the hopper unit is completely empty.
- The main switch must be in the "OFF" position to disconnect the power supply and protected against unintentional restart with a padlock.
- Conserve bare machine components and internal spaces of motors and gears with anti-corrosion agent.
- Run machine every 6 months for at least 10 minutes without material in idle mode.
- Exchange all operating materials before return to service.
- Follow the instructions contained in chapter 6.4 prior to restart.
- Run machine for at least 10 minutes without material in idle mode prior to restart.

5.4 Installation and start-up

Staff

- Machine installation and start-up must be handled by specially trained staff.
- Ensure that all work on the electrical system is carried out by qualified electricians.
- Electrical installation
- Electrical Installation



DANGER!

Danger of death - risk of electrocution!

Contact with live components may cause death. Live electrical components may perform sudden jerky movements and cause extremely serious injuries.

To avoid safety risks, please follow the instruction below:

- Ensure that all power supplies are switched off before work commences and that a safeguard against unintentional restart is provided.

Preventing Accidental or unauthorised restarts

**DANGER!**

unauthorized restart may result in death!

During installation, there is a risk that the power supply is unintentionally switched back on.

This puts persons in the hazard area at risk of death.

To avoid safety risks, please follow the instructions below:

- Ensure that all power supplies are switched off before work commences and that a safeguard against unintentional restart is provided.

Improper installation and start-up**WARNING!**

Danger of injuries resulting from improper installation and start-up! Improper installation and start-up may cause serious bodily or material damage.

To avoid safety risks, please follow the instructions below:

- Ensure that all work areas are easily accessible before starting the installation process.
- Be careful when handling open components with sharp edges.
- Keep the installation area clean and tidy. Loosely stacked or scattered components and tools are accident hazards.
- Make sure that components are installed professionally. Comply with the pre-defined tightening torques for screws and bolts.
- Check the machine for transport damage prior to installation.
- Check that all packaging has been removed prior to installation.
- Secure components to ensure that they cannot fall or topple over.
- Assemble machine parts in such a way that they do not constitute stumbling hazards. Always be careful.
- Run cables in a protective setting (e.g. cable duct).
- In case of questions or problems, consult the manufacturer.

5.5 Preparatory steps

5.5.1 General installation requirements



WARNING!

Danger of injuries resulting from improper machine installation, either in an unsuitable location or manner!
Machine installation in an unsuitable location or manner may cause severe bodily or material damage.

To avoid safety risks, please follow the instructions below:

- Ensure that all requirements for the installation location and method are met.
- If requirements for installation location and method cannot be met, consult the manufacturer. Have the manufacturer modify the machine to suit your requirements and only install it after appropriate adjustments have been made.

Before installing the machine, the control cabinet and accessories as well as additional equipment such as ladders or scaffolding, the following requirements must be met:

- Ensure that all equipment used is stable.
- Provide sufficient lighting.
- The standards and regulations regarding unobstructed areas and escape routes must be complied with.
- If necessary, a sufficiently dimensioned extraction system and/or ventilation system must be provided.

5.5.2 Ambient requirements

Ensure that the ambient requirements as listed in the Technical Data section (see chapter 3.5) are met. Ensure that the machine and the control cabinet are protected from direct moisture at all times.

5.5.3 Foundation requirements



NOTE!

The static and dynamic load indexes are listed on the dimension drawing and/or installation drawing.

The base for the installation of all machine components must:

- have an adequate load-bearing capacity.
- be even.

If in doubt, consult a structural engineer.

5.5.4 Power requirements

- Install electrical connectors in accordance with the values listed in the Technical Data section (chapter 3.4).

5.5.5 Machine installation requirements

To install the machine correctly, the following requirements must be met:

- All machine components must be easily accessible and sufficient space must be provided for maintenance and repair activities.
- The machine must always be installed together with all safety features safely screwed in place.
- A sufficiently sized facility to house the shredder.

5.5.6 Installation options

The machine may be installed in several different ways. Different requirements apply for each of these installation options and must be complied with when installing the machine.



DANGER!

Danger of death from falling into the machine!

In case of improper installation, there is a risk of persons falling into the.
To avoid safety risks, please follow the instruction below:

- Ensure that the minimum fill levels are always adhered to.

The machine must always be installed together with all safety features secured firm in place.

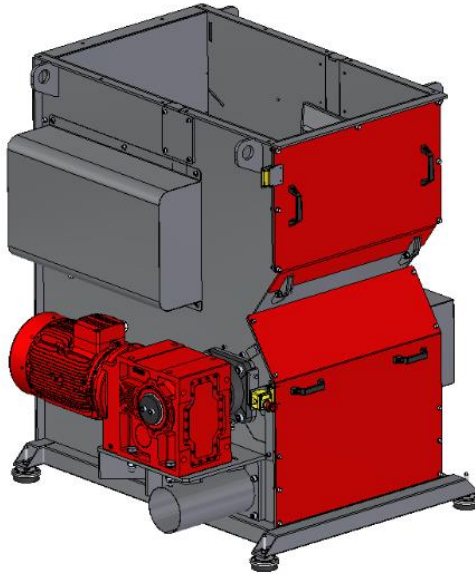


NOTE!

If the machine is not installed in the way described here, additional safety equipment may be necessary (see chapter 6.3.4).

Installation

The shredder will be delivered pre-assembled ready for installation.



Installing shredder.

In the image above the chosen installation is to have the shredder mounted on a stand with infeed hopper attached.

5.5.7 Installation requirements for the control cabinet

To install the control cabinet correctly, the following requirements must be met:

- The control cabinet must not be mounted directly on the machine.
- The operating unit of the control cabinet must face the feeding area of the machine.
- All hazard points of the machine are visible from the control cabinet.
- The control cabinet must be mounted at a height that makes the operating unit easy to reach. The operating buttons must be located at a height of at least 60 and a maximum of 180cm and must be freely accessible at all times.
- The emergency stop button must be freely accessible.
- Sufficient room must be provided to fully open the doors of the control cabinet for maintenance work.
- Cables must be long enough to be run safely between the control cabinet and the machine.

5.6 Installation



NOTE!

Accessories must be mounted on the machine in accordance with the instructions contained in the respective manuals.

5.6.1 Machine installation

- 1. Assemble the machine and optional accessories in such a way that hazard-free access from all sides is provided.
- 2. Ensure that sufficient room is provided for operation, service and maintenance activities.
- 3. Ensure that the machine is stable. If necessary, anchor the machine to the floor using sufficiently dimensioned tools.
- 4. Mount the necessary safety equipment for your installation option (see chapter 6.2.6 and chapter 6.3.4).

5.6.2 Control cabinet installation



NOTE!

If installation according to the "Control Cabinet Installation Requirements" (see chapter 6.2.7) is not possible, additional safety features must be installed (see chapter 6.3.4).

- 1. The control cabinet must not be mounted directly on the machine.
- 2. Ensure that sufficient room is provided for operation, service and maintenance activities.
- 3. Ensure that the control cabinet is stable.

5.6.3 Installation of accessories



WARNING!

If the operating company fails to provide the necessary safety features, there is a danger of injuries!

If operators neglect the installation of necessary safety features, they may put their staff at risk of extremely serious injuries.

To avoid safety risks, please follow the instruction below:

- Ensure that all required safety features are mounted properly.

5.6.4 Installation of additional safety features



NOTE!

If the required safety and protective features have not been installed and the machine does not comply with all applicable local safety standards and regulations, it must not be put into operation!

NOTE!

Please ensure that all specifications contained in the "Electrical Control Unit" manual as well as all local regulations are complied with.

The following safety devices are always mandatory:

- If the control cabinet is mounted in such a way that the hazard areas are not directly visible from the control cabinet (see chapter 6.2.7), a visual and acoustic start-up signal must be installed.
- If the machine runs with a higher-level control unit, a visual and acoustic starting alarm is required.
- If the machine is installed on a lower level (see chapter 6.2.6), a guard rail must be provided to prevent falls into the machine hopper.
- If there is an elevated risk of dust development due to the consistency of the material being shredded, a sufficient ventilation system must be provided.

All safety features must be installed and connected in accordance with local standards, directives and regulations.



NOTE!

The following requirements must be met so that a certificate of CE conformity can be issued by the appropriate authority:

- A compliance assessment procedure according to the machinery directive 2006/42/EC article 12) must be performed for the complete machine/facility.

5.7 Installation instructions



NOTE!

Also refer to the "Electrical Control Unit" manual!

5.7.1 Installation of the equipotential bonding



DANGER!

Danger of death - risk of electrocution!

Contact with live components may cause death. Damaged power lines may be live.

To avoid safety risks, please follow the instructions below:

- Attach and install an equipotential bonding.
- Follow the instructions in the "Electrical Control Unit" manual.

Equipotential bonding must be attached and installed by professionals in accordance with local standards, directives and regulations.

5.7.2 Connecting the power supply



CAUTION!

Improperly placed machine connectors constitute stumbling hazards!

Improperly placed machine connectors such as cables, tubes or ducts constitute stumbling hazards and may cause considerable injuries.

To avoid safety risks, please follow the instructions below:

- Assemble machine connectors in such a way that they do not constitute stumbling hazards.
- Run all lines cables in cable ducts.
- Mark stumbling hazards with a yellow-black marker band.



DANGER!

Danger of death - risk of electrocution!

Contact with live components may cause death. Damaged power lines may be live.

To avoid safety risks, please follow the instructions below:

- Follow the instructions in the "Electrical Control Unit" manual.

Electrical connectors must be installed by professionals in accordance with the values listed in the Technical Data section (chapter 3.4)

5.7. Integration into an existing facility



WARNING!

Danger resulting from interfaces!

When the machine is integrated into an existing facility, interfaces develop that may be potentially hazardous. If these interfaces and the resulting hazards are insufficiently assessed, they may cause extremely serious injuries and material damage.

To avoid safety risks, please follow the instructions below:

- Carry out a risk assessment for interfaces.
- Take appropriate measures for hazard avoidance.



NOTE!

The manufacturer is not liable for damages caused by newly formed interfaces resulting from the integration of the machine into an existing facility.

If the machine is integrated into an existing facility, the following measures must be carried out:

- A risk assessment must be performed for newly formed interfaces.
- Appropriate protection measures must be drawn up based on the risk assessment and integrated into the facility.
- If the machine is integrated into an existing facility, it must be ensured that protection measures already in place do not lose their function.
- The machine must be integrated into the emergency stop concept for the overall facility.
- Documentation for the whole facility must be drawn up.
- Prior to operation, the operating company must ensure that the facility into which the machine will be integrated or of which it will be a part complies with the safety requirements and regulations of all relevant directives. The operating company must perform a procedure for assessing the conformity in accordance with the machinery directive.

6 Start-up

6.1 Checks

The following checks must be carried out prior to start-up:

1. Ensure that all safety features are functional.
2. Ensure that all required safety features are mounted properly.
3. Ensure that there is no externally visible damage on the machine.
4. Ensure that the electrical connectors are not damaged.
5. Ensure whilst the machine is isolated that there is no foreign material in the hopper or cutting unit.
6. Ensure that the machine is stocked with all required operating materials.
7. Ensure that no other persons remain in the hazard area.

6.2 Checking the rotation direction of the rotor.

1. Put main isolator switch "ON" position to activate the power supply on the control panel.
2. Once the screen has loaded, Press the green button on the front of the panel to start the machine.

6.3 Checking the emergency stop buttons



- **WARNING!**
- Faulty emergency stop buttons can cause serious injury or death!
- Safety is only warranted when all emergency stop buttons are functioning correctly.
- To avoid safety risks, please follow the instructions below:
-
- Before the initial start-up and every time the machine is in operation, check that all emergency stop buttons are secured in place correctly and fully functioning.
- Never disable the emergency stop buttons
- If the machine does not immediately stop when emergency stop is activated, it must not be put into operation

Check that the emergency stop buttons are functioning correctly at the initial start-up by following the steps below:



1. Set the main power switch to the "ON" Position to activate power supply.
2. Press the start button to switch on the machine, wait for the machine to start up.
3. Press the emergency stop button to stop the machine.
4. If the emergency stop button is working correctly and the machine has come to a halt, release the emergency stop button to allow the machine to be put in operation.

7. Operating the machine

7.1 Safety

This machine should only be operated by qualified staff.

Improper operation



WARNING!

Improper use of this machine could result in serious bodily or material damage!

To avoid safety risks, please follow the instructions below:

- Before operating this machine ensure all guards, covers and other safety features are installed correctly and functional.
- Perform all operations in accordance with this instruction manual.
- Never remove or disable safety features while the machine is in operation.
- Read the electrical documentation before commencing work on the machine.
- Check the machine for any visible signs of damage before operating.
- In the case of damage, unusual noise or strong vibrations, turn off the machine and put safeguards in place to prevent accidental starting. For further steps, please refer to chapter 2.11.
- Keep the workspace clean and tidy to mitigate risk of accidents.

Looking and reaching into hazardous areas



WARNING!

Looking or reaching into hazardous areas may cause serious injuries!

To avoid safety risks, please follow the instructions below:

- NEVER attempt to look or reach into the hopper while machine is in operation.
- NEVER attempt reach into the discharge area while machine is in operation.
- NEVER remove protective guards during operation.
-

7.2 Steps to be taken prior to operation

Always complete the following instructions before operating the machine:

1. Ensure all safety features are operational.
2. Ensure that there is no visible damage to the machine.
3. Ensure that all protective guards and covers are in place firmly.
4. Ensure electrical connectors are undamaged.
5. Ensure that the machine is stocked with materials required to operate.
6. Ensure that no other persons remain in the hazardous areas that are not adequately protected.
7. Ensure that all transport features for feeding and removing discharged material are working correctly and ready for operation.

7.3 Work areas



NOTE!

For more information on the control unit, please see the "Electrical control unit" manual.

The Hazard zone around the shredder is 2M.

7.4 Switching on the machine

- Set the main switch to the "ON" position to connect the power supply.
- Use the control panel to select operating mode.
- Press the start button to begin running the machine.

7.5 Switching off the machine



NOTE!

For more information on the control unit, please see the "Electrical control unit" manual.

- Let the machine run until there is no material left in the hopper or cutter unit (where applicable).
- Press the stop button to switch off the machine.
- Put the main switch to "OFF" to disconnect the power supply.
- Protect against unauthorized restarts by padlocking the switch.

7.6 Emergency stops

In an emergency, the machine must be stopped and disconnected from the power supply as quickly as possible.

In an emergency, follow these instructions:



- Press the emergency stop button immediately.
- Put the main power switch to “OFF” position to disconnect the power supply.
- Protect against unauthorized restarts by padlocking the switch.
- Initiate measures according to your internal emergency plan.
- Have the problem resolved by professionals.
- Check machine before restarting to ensure all safety guards, covers and other safety features are in place correctly and functional.
-



WARNING!

Premature restarts can result in serious injury or death.

Premature restarts put the persons in the hazardous area at risk of serious injury or death. To avoid safety risks, please follow the instructions below:

- Ensure that all faults have been dealt with by professionals.
- Ensure that all safety guards and covers are installed correctly and are uncompromised.
- Before starting the restart procedure, ensure that no personnel remain in the hazard area.

7.7 Tasks performed during operation

7.7.1 Filling the hopper.

Fill the hopper with material to be shredded. (See chapter 2.3)



WARNING!

Danger of injuries resulting for improper feeding of material into the hopper.

There is a risk of material falling or being thrown from the hopper. Clothing, hair and limbs can get caught up in material, resulting in serious injuries or death.

To avoid safety risks, please follow the instructions below:

- Only remain in the hazardous area if you have adequate personal protective equipment.
- Never attempt to remove material once it has been placed into the hopper.
- Never reach into the hopper from above if the machine is operational.



CAUTION!

Danger of material damage resulting from improper filling of hopper.

There is a risk of the machine being damaged if the hopper is over filled.

To avoid this, please follow the instructions below:

- Fill with an amount of material that does not cause excessive reversions.



NOTE!

If the machine is damaged due to overfilling of hopper, Talbott's Biomass will not assume any liability.

7.8 Steps to take after operation

After each use and before switching off the machine you should:

- Ensure that the machine is run until the hopper and cutting unit is clear.
- Set the main switch to the “OFF” position to disconnect the power supply.
- Prevent any accidental restarts by locking off the switch with a padlock.
- Clean the machine and work environment regularly to prevent the build-up of dust and unnecessary accidents.

8. Maintenance



NOTE!

During the warranty period, all maintenance work at the service intervals required for your purpose must be carried out by Talbott's Biomass, or the warranty will be Void.

8.1 Safety

Staff

- All work must be carried out by the manufacturer or by a trained professional.
- All work on the electrical system must be carried out by manufacturer or trained professional.

Electrical installation



DANGER!

Danger of death – risk of electrocution.

Contact with live components may cause death. Live components have the potential to make sudden, jerky movements possibly causing serious injury or death.

To avoid these safety risks, please follow the instructions below:

- Ensure that All power supplies are switched to “OFF” and isolated before any work commences.

Preventing accidental or unauthorised restarts



DANGER!

Unauthorised restarts may result in serious injury or death!

During the installation process, it is possible that the power supply could be turned on at an unintended time. This putting people at risk of serious injury or death.

To avoid these safety risks, please follow the instructions below.

- Make sure that all power supplies are switched to the “OFF” position before doing any work on the machine.
- Put safeguards in place to prevent the accidental or unauthorised restart if the machine.

Improper Maintenance



WARNING!

Risk of serious injury and material damage due to poor maintenance.

To avoid these safety risks, please follow the instructions below:

- Comply with the arranged maintenance service schedule.
- Regularly check the machine for visible damage, excessive heat and noise, at least once per shift.
- If any damaged parts are discovered, they should be replaced immediately.
- Follow all operational steps in accordance with this instruction manual.
- The machine should be kept clean, excessive build up material can lead to malfunctions.
- Read the electrical documents before proceeding to work on this machine.
- Ensure that the area is clean and tidy before commencing with the installation process.
- Keep the area clean, tidy and free of unnecessary tool to mitigate accidental hazards.
- Ensure that any machine components that need to be touched have cooled to room temperature before commencing work.
- Only use approved operating supplies.
- Never operate the machine without safety guards, covers being fastened securely in place and undamaged.
- If any components have been previously removed, ensure they have been remounted correctly and all fastening elements have been re installed and tightened to the correct torque specified.
- After servicing intervals, ensure that all safety features are reinstalled correctly.
-

Falling material



WARNING!

Danger of injuries resulting from falling material.

Falling material from the hopper can cause serious injuries.

To avoid these safety risks, please follow the instructions below:

- Ensure that no more material is being loaded into the machine and that it has run completely empty before carrying out any maintenance work.

Prestressed components may be dangerous



WARNING!

Danger of injuries resulting from the removal of prestressed components.

Prestressed or movable components may cause serious injuries or death.

To avoid these safety risks, please follow the instructions below.

- Always apply caution when removing prestressed components.

Unsuitable replacement components



WARNING!

Safety risks resulting from unsuitable replacement components.

Unsuitable replacement components and accessories are a safety risk and may damage or destroy the machine.

To avoid these safety risks, please follow the instructions below:

- Only use original replacement components and accessories authorized by the manufacturer.

Harmful operating materials and supplies



WARNING!

Operating materials may be harmful to your health.

Long term contact with material, or exposure to gasses released by material may cause serious harm to your health.

To avoid these safety risks, please follow the instructions below:

- Always consult the safety data sheets for operating materials and supplies. If necessary, request the relevant safety data sheets from the manufacturer.
- If in doubt, wear a light protective mask.
- Always wear appropriate personal protective equipment while handling materials.
- Always follow local directives and regulations for handling on processing the material.
-

None-approved operating materials



CAUTION!

Danger of material damage due to non-approved operating materials and supplies.

Using non-approved operating materials and supplies can result in damage to the machine or total failure.

To avoid these safety risks, please follow the instructions below:

- Do not mix oil types or change brands.
- Only use the specified oils.
- NEVER rinse gears with petroleum, or any other cleaning agent.
- Use only the specified grease.

Environmental protection

Please follow the instructions regarding environmental damage when carrying out maintenance.

- Remove excess, pre-used or leaked grease from greasing points and dispose of in accordance with local regulation.
- Collect exchanged oils in appropriate containers and dispose of in accordance with local regulations.

8.2 Maintenance work: preparation steps

Always follow the following instructions before carrying out maintenance on the machine:

- Ensure that the hopper is no longer being fed.
- Allow the machine to run until the hopper and cutting unit is completely empty.
- Ensure that the cutting unit is clear of material.
- Put the main power switch to the "OFF" position to disconnect the power.
- Protect switch against accidental or unauthorised restarts with a padlock.
- Ensure that any components that need to be touched during the maintenance process have cool to room temperature before commencing work.

8.3 Maintenance schedule

The following sections specify the maintenance required to ensure the optimal running of your machine. Please contact Talbott's Biomass to arrange your maintenance schedule.

**NOTE!**

The specified intervals are the **MAXIMUM** periods between maintenance activities. If a higher level of wear is detected during regular services, the length of time between servicing activities must be shortened accordingly.

**NOTE!**

Maintenance of accessories such as guards, must be carried out by professionals in accordance with the maintenance schedule arranged with the manufacturer contained within the documentation.

**NOTE!**

During the warranty period, all maintenance must be carried out by employees of Talbott's Biomass in accordance with the schedule contained within the documentation. If this is not followed the warranty will be Void.

**NOTE!**

If the specified operational hours are not met in the following chart, please refer to the minimum column.

Maintenance Activity	Operating Hours	Minimum	Chapter	Performed By
General				
Check machine for fluid loss and external damage		Daily		Trained Staff
Check that all safety features are working correctly		Daily		Trained Staff
Clean entire machine		Daily	8.6.1.2	Trained Staff
Rotor				
		Daily		Trained Staff
		Daily		Trained Staff
Drive Units				
Check gearbox oil level		Daily	8.6	Trained Staff
Clean drive motor		Weekly	8.6.1.3	Trained Staff
First gearbox oil change			8.6.3	Trained Staff
Second gearbox oil change			8.6.3	Trained Staff
Grease Lubrication (Chapter 3.7.2)		Weekly	8.6.4	Trained Staff

Torque Spec's			
Part to secure	Type	Size	Torque Spec
Clamp Plates	12.9 Cap head	M16	245 Nm
Cutter Crowns	12.9 Cap head	M12	100 – 120 Nm
Cutter Crowns	12.9 Cap head	M10	80 – 100 Nm
Screen	12.9 Cap head	M12	120 Nm

8.4 Maintenance work

8.4.1 Cleaning

8.4.1.1 General



WARNING!

Cleaning hot components with pressurized air is a fire hazard.

Material to be shredded, liquids and gasses all have the potential to catch fire and cause serious injuries or death.

To avoid safety risks, please follow the instructions below:

- Check the temperature of all machine components before cleaning. Make sure all components are room temperature to avoid potential injuries.
- Keep an appropriate fire extinguisher near to the machine with easy access.
- In the event of a fire, stop work immediately and ensure the machine is disconnected from power.
- In the case of a fire, act in accordance with your internal fire plan.
-

Follow these instructions when cleaning the machine:

- Do not clean electrical components with water.
- Do not use aggressive cleaning agents.
- Avoid excessive build-up of dust on the machine, removing it regularly with appropriate tools.

8.4.1.2 Cleaning the machine

Clean the machine and the surrounding area regularly to avoid excessive dust build-up, but never attempt to clean the machine when it is operational. If the machine is not regularly cleaned, depending on the material being shred, it can create a dangerous mixture of dust and air around the machine. This is a fire hazard as well as hazardous to your health.

8.4.1.3 Cleaning the motors

When cleaning the motors, it is important to make sure that they have cooled to room temperature to avoid fire hazard and risk of injuries. It is important to turn the main switch in the "OFF" position and to prevent accidental or unauthorised start up with a padlock. When the motors have cooled to room temperature, proceed to clean the motors with pressurised air.

8.4.2 Checking the gear oil level



CAUTION!

Low gear oil levels or of the gear oil runs empty, this can cause serious damage to the machine.

If the gear oil runs low, there is a risk of the gear being damaged and the machine breaking down.

To avoid these safety risks, please follow the instructions below:

- Monitor oil through the oil gauge.
- Top up oil level regularly.
-



CAUTION!

Mixing different types of oil may cause material damage.

Using non-approved operating supplies or materials may damage, malfunction or total machine failure.

To prevent these safety risks, please follow the instructions below:

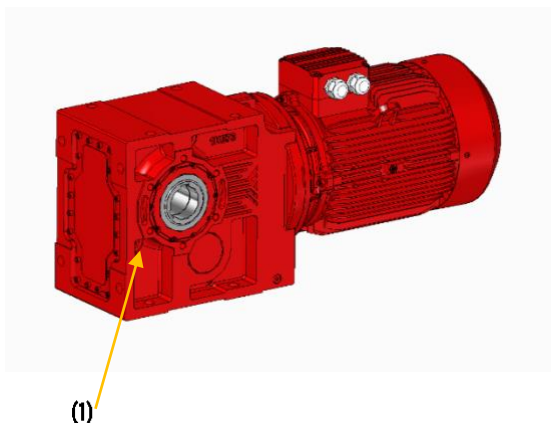
- Do not change oil brands from the oil specified.
- Do not mix synthetic oil with mineral oil.
- Do not mix any oil types or brands from the one specified in the machine.
-



INFO!

For approved oil brands, see (chapter 3.7.1)

To check the oil level manually, please follow the instructions below:



1. Put the main switch to the "OFF" position to disconnect the power supply.
2. Protect against unauthorised or accidental restarts with a padlock.
3. Remove gearbox oil level plug (1) to see whether oil comes from the hole.
4. If necessary, top up the gear oil level with the specified oil type and brand until it flows through the hole. Then replace Level Plug (1).

8.4.3 Changing the gear oil



WARNING!

Hot gear oil may cause burns.

When the gear oil is being changed, it is at operating temperature. If oil contacts skin, it is a risk of burning.

To avoid these safety risks, please follow the steps below:

- Always wear protective glasses, gloves and hard helmet.
- Be very cautious when changing oil.
-



CAUTION!

Mixing different types of gear oil may cause material damage.

Using non-approved operating oil or mixing oils may cause damage, malfunction or total machine failure.

To avoid these safety risks, please follow the instructions below:

- Do not mix different oil types or brands in this machine.
- Use only the specified oil types and brands. See (chapter 3.7.1)
- Do not mix synthetic oil types with mineral oil types.
- Do not rinse gear with petroleum or any other cleaning agents.
-



CAUTION!

Infrequent oil changes may cause physical damage to the machine.

Infrequent oil changes can cause damage, malfunction or total machine failure.

To avoid these safety risks, please follow the instructions below:

- Change oil in accordance with the maintenance activity requirements.
- The oil change schedule may need to be shortened if excessive usage is detected during routine maintenance.



NOTE!

For approved oil types and brands, see (chapter 3.7.1)

Operating Instructions

K Series

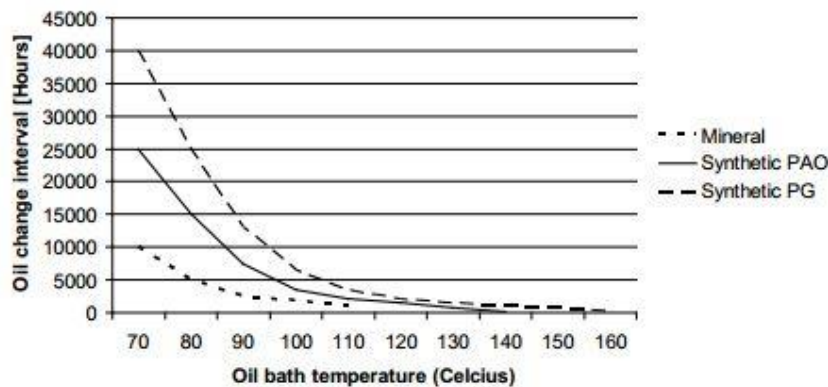
Lubrication



8- Maintenance and Inspections

Under normal ambient and working conditions the gear unit should be checked according the following intervals. (For definition of normal working conditions refer to the product catalogue: "Selecting Gearbox" section);

Item to check / replace	Every 3.000 working hours or every 6 months	Every 4.000 working hours	Every 10.000 working hours or every 3 years	Every 25.000 working hours
Check for oil leakage	x			
Check for oil level	x			
Check oil leakage from seal	x			
Check Rubber buffer	x (Change if necessary)			
Check Bearings Noise		x (Change if necessary)		
Change Mineral Oil			x (See Below for details)	
Change Synthetic-PAO Oil				x (See Below for details)
Change Sealing				x
Change Bearing Grease				x
Change Bearings				x
Check for noise Changes				x



For normal ambient conditions 70 degrees Celsius oil bath temp. should be taken as reference

* For K series Mineral oil is used unless it is differently ordered. For oil type and quantities refer to the following tables.

8.4.4 Grease lubrication



CAUTION!

Insufficient lubrication may cause material damage.

If the bearing units are insufficiently lubricated, the level of wear will increase potentially damaging the machine or total machine failure.

To avoid these safety risks, please follow the instructions below:

- Ensure that the lubrication intervals specified in the maintenance plan are carried out.
- Ensure sufficient level of grease is applied.



NOTE!

For approved grease brands and volumes, see (chapter 3.7.2)

Required tools:

- Soft rags

To grease the bearings, please follow the instructions below:

8.4.5 Removing the motor gearbox



WARNING!

Risk of crushing hands, feet and limbs during the removal of the gearbox, resulting in serious injuries or death.

When removing the gearbox, there is a risk of hands, feet and limbs being crushed under the weight of the component, resulting in serious injuries or death.

To avoid these safety risks, please follow the instructions below:

- Always wear protective boots, hard helmet, safety gloves and safety glasses when carrying out the task.
- Always apply caution.
- Ensure you have adequate lifting tools that can take the weight of the component.
- Ensure person/persons carrying out the task are adequately trained for the task in hand.

8.4.5 Changing the counter knives



WARNING!

Risk of cutting or crushing hands, feet and limbs during the removal or installation of the counter knives, resulting in serious injuries.

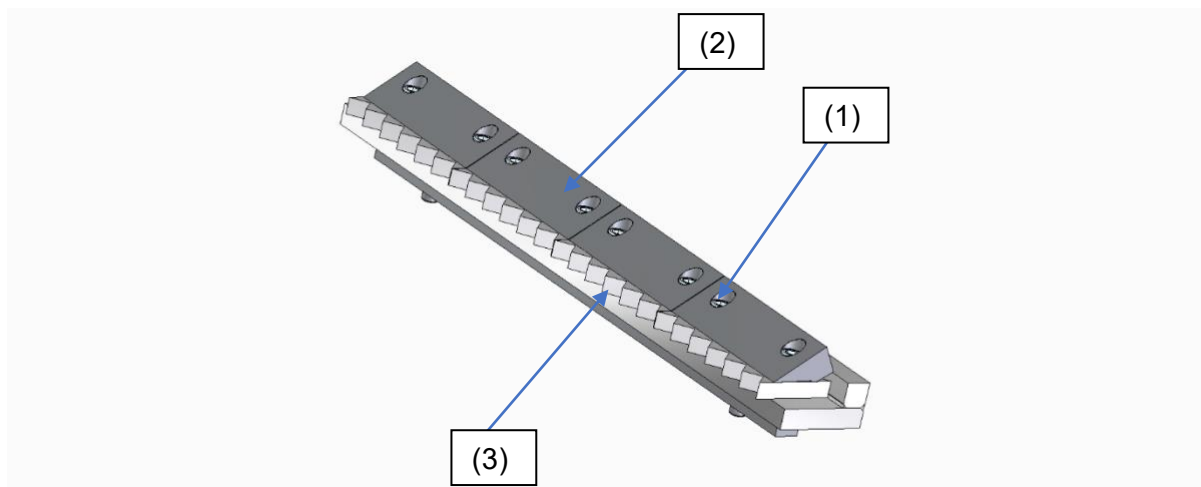
When removing or installing counter knives, there is a risk of serious if handled incorrectly.

To avoid these Safety risks, please follow the instructions below:

- Always wear protective boots, hard helmet, safety gloves and safety glasses when carrying out the task.
- Always apply caution.
- Ensure person/persons carrying out the task are adequately trained for the task in hand.

Required tools:

- Torque wrench



1. Put the main power switch in the "OFF" position to disconnect the power supply.
2. Protect against unauthorised or accidental restarts with a padlock.
3. Remove the M16 cap head bolts (1) and release the clamp plate (2) once this is complete lift the Counter knives (3) and clean the area and the surfaces of the counter knives and clamp plates. If an edge is available on the Counter knife put the knife back in with the new edge facing the rotor and on the top. Install the clamp plate and fixing bolts and torque to 245NM.

8.4.6 Turning or exchanging the cutter crowns



WARNING!

Risk of cutting or crushing hands, feet and limbs during the process of turning or exchanging the cutters, resulting in serious injuries.

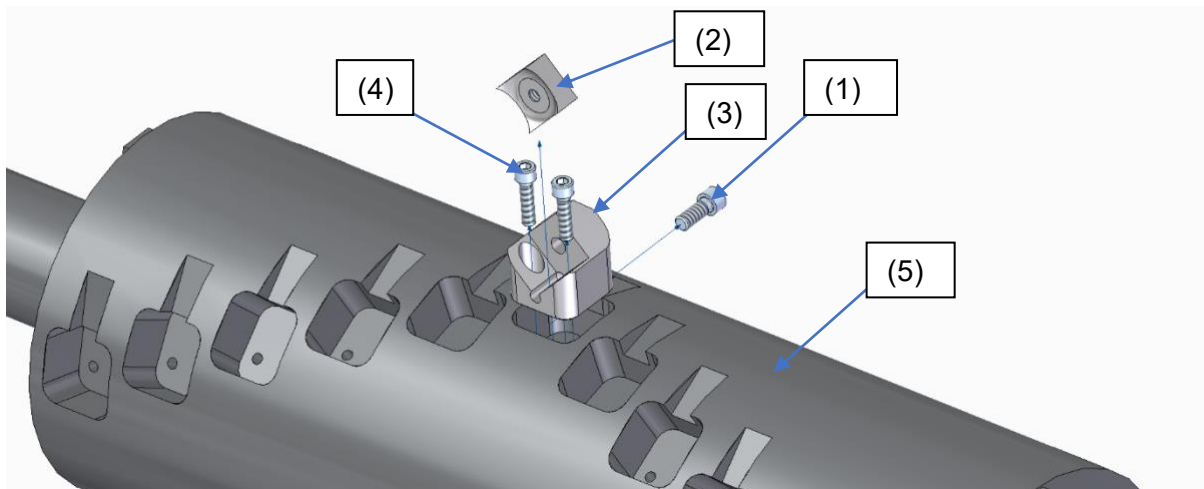
When turning or changing the cutters, there is a risk of hands, feet and limbs being cut or crushed by the rotor, resulting in serious injury.

To avoid these safety risks, please follow the instructions below:

- Always wear protective boots, hard helmet, safety gloves and safety glasses when carrying out the task.
- Always apply caution.
- Ensure person/persons carrying out the task are adequately trained for the task in hand.

Required tools:

- Torque wrench



1. Put the main power switch in the "OFF" position to disconnect the power supply.
2. Protect against unauthorized or accidental restarts with a padlock.
3. Remove the M12 Cutter fixing bolt (1)
4. Lift the cutting block (2) from the cutter holder (3)
5. If the cutter holder (3) is in good condition, the cutter block (2) can be replaced or if there is another cutting edge on the unit can be put back into the cutter holder (3) and re fixed into position using the cutter fixing bolt (1) and torques to 120NM. Ensure all surfaces are thoroughly cleaned before re-assemble.
6. If the cutter holder (3) is damaged remove the cutter holder fixings (4) from the cutter holder (3) and remove the cutter holder (3) from the rotor (5).
7. Clean the cutter holder pocket (6) and insert a new cutter holder (5) and replace the cutter holder fixing bolts (3) and torque them to 100NM.

8.5 Steps to be carried out after maintenance

Before restarting machine after maintenance, please follow the instructions below:

- Ensure that all safety guards and covers that were removed during the maintenance procedure have been reinstalled correctly.
- Ensure that all tools and equipment used during the maintenance procedure have been removed from the area and are all accounted for.
- Ensure that the hazard area has been cleaned and any/all greases and oils that have been changed or leaked during the maintenance procedure are disposed of in accordance with local regulation.
- Ensure that no unauthorised persons remain in the hazard area, and any authorised persons are wearing adequate personal protective equipment.
- Remove the safety padlock and put the main switch in the “ON” position to connect the power supply.
- Press the start button to begin the shredding process.



WARNING!

Premature restarts can cause serious injuries or death.

Premature restarts put personnel in the hazard area in risk of serious injuries or death.

To avoid these safety risks, please follow the instructions below:

- Before restarting the machine, ensure no personnel remain in the hazard area.

9. Faults

This chapter is all about the possible reasons for faults and how to troubleshoot them issues. If any faults arise, machine operation should not be restarted until the faults are resolved. In the case of frequent re occurring faults, the maintenance schedule should be adjusted accordingly. In the case that faults cannot be resolved by the instructions provided below, please contact Talbott's Biomass.

9.1 Safety

Staff

- Some of the troubleshooting instructions below can be attempted by specially trained staff.
- Some if the troubleshooting instructions can be attempted by the machine operator.
- All work on the electrical system must be carried out by a trained electrician.

Electrical installation



DANGER!

Danger of death – risk of electrocution.

Live electrical components have the potential to make sudden, jerky movements and contact with the live terminals and cables can cause serious injuries and death.

To avoid these safety risks, please follow the instructions below:

- Ensure that all electrical switches to the machine are in the “OFF” position.
- Protect against accidental or unauthorised restarts with a padlock

Protecting against accidental or unintentional restarts



WARNING!

Unauthorised restarts can cause serious injuries or death.

When work is being carried out on the machine, there is a risk of accidental or unauthorised restarts. This puts the persons in the hazard area at risk of serious injury or death.

To avoid these safety risks, please follow the instructions below:

- Ensure that all electrical switches to the machine are in the “OFF” position.
- Protect against accidental or unauthorised restarts with a padlock

Improper troubleshooting



WARNING!

Danger of injuries due to improper troubleshoot.

Improper troubleshoot has the potential to cause serious injuries or serious damage to the machine.

To avoid these safety risks, please follow the instructions below:

- Any faults that arise should be taken care of immediately.
- Any damage should be repaired by a trained professional immediately.
- All operations should be performed in accordance with THIS instruction manual and in the order laid out.
- Read the electrical documentation before carrying out work on this machine.
- Keep the installation area clean and tidy. Cluttered hazard areas pose unnecessary risks.
- Only use appropriate, approved lifting equipment to carry out work on this machine.
- Any components that have been removed, ensure they have been re mounted correctly and undamaged.
- Always wear appropriate personal protective equipment, such as protective glasses, gloves and hard helmet.
- Always use a service platform that complies with Health & Safety at Work regulations. NEVER climb on machine.
- Ensure that all protective guards and covers have been reinstalled correctly if they have been removed for any reason.

Falling material



WARNING!

Danger of injuries due to falling material.

Falling material from the hopper may cause serious injuries or death.
To avoid these safety risks, please follow the instructions below:

- Ensure that the machine has run completely empty before carrying out any maintenance work.
- Ensure that the machine has come to a complete stand still before carrying out any maintenance work.
-

9.2 Steps to take before the troubleshooting begins

Always follow the following instructions before completing any troubleshoot:

1. Always ensure that the hopper is no longer being fed.
2. Always ensure that the hopper and cutting unit has run completely empty if this is possible.
3. Put the main switch to the "OFF" position to disconnect the power supply.
4. Protect against any accidental or unauthorised restarts with a padlock.

9.3 Fault table

Fault	Cause	Solution	To be done by
Machine will not switch on	Emergency stop button is pressed	Release emergency stop button	Trained staff
Machine will not switch on	Main switch is in the "OFF" position	Turn main switch to the "ON" position. See (chapter 4.5.2)	Trained staff
Rotor is repeatedly going in reverse	Machine could be blocked due to insufficient removal of shredded product	Frequently remove material and clean screens. See (chapters 7.7.2 & 8.6.5)	Trained staff
Rotor is repeatedly going in to reverse	Foreign material in the rotor	Remove from rotor. See (chapter 9.4)	Trained staff
Rotor is repeatedly going into revers	Rotor is worn down	Turn the cutters. See (chapter 8.4.5)	Trained staff
Throughput is decreasing	Machine could be blocked due to insufficient removal of shredded product	Frequently remove material and clean screens. See	Trained staff
Throughput is decreasing	Foreign material in the Rotor	Remove from the rotor See (chapter 9.4)	Trained staff
Throughput is decreasing	Cutting crows are worn down	Exchange the cutter crowns. See (chapter 8.6.7)	Trained staff
Rotor is making strange noises	Machine could be blocked due to insufficient removal of shredded product	Frequently remove material and clean screens. See (chapters 7.7.2 & 8.6.5)	Trained staff
Rotor is making strange noises	Foreign material in the rotor	Remove the foreign material. See (chapter 9.4)	Trained staff

9.4 Steps to take after troubleshooting

Before restarting machine after troubleshooting and resolving the issue, please follow the instructions below:

- Ensure that all screws and bolts that were loosened during the troubleshooting are tightened securely and to the specified torques.
- Ensure that all safety guards and covers that were removed during the troubleshooting procedure have been reinstalled correctly.
- Ensure that all tools and equipment used during the troubleshooting procedure have been removed from the area and are all accounted for.
- Ensure that the hazard area has been cleaned and any/all greases and oils that have been changed or leaked during the troubleshooting procedure are disposed of in accordance with local regulation.
- Ensure that no unauthorised persons remain in the hazard area, and any authorised persons are wearing adequate personal protective equipment.
- Remove the safety padlock and put the main switch in the “ON” position to connect the power supply.
- Press the start button to begin the shredding process.



WARNING!

Premature restarts can cause serious injuries or death.

Premature restarts put personnel in the hazard area in risk of serious injuries or death.

To avoid these safety risks, please follow the instructions below:

- Before restarting the machine, ensure no personnel remain in the hazard area.

10. The dismantling process

Once the machine has reached the end of its working life, it must be disposed of in an environmentally friendly way.

10.1 Safety

Electrical installations



DANGER!

Risk of electrocution, danger of death.

Live electrical components have the potential to make sudden, jerky movements and contact with the live terminals and cables can cause serious injuries and death.

To avoid these safety risks, please follow the instructions below:

- Ensure that all electrical switches to the machine are in the “OFF” position.
- Protect against accidental or unauthorised restarts with a padlock

Improper dismantling

**WARNING!**

Improper dismantle may cause serious injuries or death.

Sharp components, stored energy and heavy parts all pose the risk of serious injuries or death.

To avoid these safety risks, please follow the instructions below:

- Ensure that the area is clean and tidy and that there is sufficient space before starting the dismantling process.
- Ensure that the machine is dismantled professionally.
- Be cautious of heavy components.
- Secure components when moving to prevent from accidental crushing.
-

10.2 Dismantling

Before starting the dismantling process, please follow the instructions below:

- Run machine until hopper and cutting unit is completely clear, if this is possible.
- Put the main power switch in the "OFF" position to disconnect power supply and protect against restarts with a padlock.
- Physically disconnect the power supply and discharge any stored residual energy.
- Drain all lubricants and coolants and dispose of according to local regulations.

10.3 Disposal

Ensure that dismantled components are disposed of responsibly.

- Dispose of operating components in an environmentally friendly manner.
- Scrap metals for recycling.
- Recycle plastic components.



CAUTION!

Inappropriate disposal may be harmful for the environment.

Electronic components and lubricants are classed as hazardous waste and need to be disposed of by specialist contractors.



NOTE!

For information regarding environmentally friendly means to dispose of your waste, please contact your local authorities

11. Replacement parts



WARNING!

Safety risks resulting from unsuitable replacement components.

Unsuitable replacement components and accessories are a safety risk and may damage or destroy the machine.

To avoid these safety risks, please follow the instructions below:

- Only use original replacement components and accessories authorized by the manufacturer.

11.1 Spare parts

It is recommended to keep replacement parts to prevent prolonged machine down time. All spare parts are not kept in stock by the manufacturer, there for it is beneficial to the customer to keep stock of most spare parts.

Bulldog 600 Spares list Machine BD018:

Component name	Part Number	Item quantity

11.2 Ordering replacement parts

When ordering replacement parts, please provide the following details:

- Serial number
- Machine type
- Desired quantity of replacement parts
- Article number of the replacement part



Note!

To order replacement parts, please use the pre-printed order form in chapter 11.3.

11.3 Pre-printed form for replacement parts

For replacement parts, please fill in a copy of the form below and send to:

FILL IN COMPANY DETAILS HERE

Replacement parts order form
Company:
Address:
Telephone number:
Contact person name:
Email address:
VAT Number:
Machine type:
Serial number:
Year of manufacture:
Hours of operation:

Part Number:	Quantity:	Description:

Date:.....

Name printed:.....

Signature:.....

14th August 2026

Unit 2 Earlsfield Park, Prescot – Ref: 26/00189/FUL: Response to Knowsley Council Environmental Health and Consumer Protection Service
Consultation Response

Page 9 of 13

Reference: 333102819/A5/TC

Appendix C – Fan specification



WPS UK Limited
70 Chancery Lane, London, WC2A 1AF

Dust Extraction System Design Proposal

27 March 2026



QUOTE REF: Q14245 (v3)

QUOTE DATE: 27 March 2026

PREPARED BY: Raymond Johnson

FOR THE ATTENTION OF RICHARD EARLE

Further to our meetings and discussions, we are pleased to submit our quotation for the supply, delivery, and installation of an Air Plants dust extraction system as detailed below for your client.

This revision of the quotation allows for the system to be located on the opposite side of the building in the area agreed as Option 1 on drawing 16367-DB3-B01-ZZ-DR-A-SK002-S2-P01 Biomass Location Options.

Dust Extraction System Overview

The proposed dust extraction system will service the following machines. Please note that these requirements are estimates and subject to confirmation once the machine details have been confirmed to us.

No.	Description	Air Volume
1	Morbidelli M100 (EQ ID 01)	5,000 m ³ /h
2	SCM Sadya A10 Sander (EQ ID 06)	4,000 m ³ /h
3	Altendorf Saw (EQ ID 10)	2,000 m ³ /h
4	CNC Dynamics 2412 Router (EQ ID 02)	5,000 m ³ /h
5	CNC Dynamics 3016 TP Plus Router (EQ ID 05 B)	5,000 m ³ /h
6	SCM DET 2 (EQ ID 04 A)	12,000 m ³ /h
7	CNC Dynamics 3016 TP Plus Router (EQ ID 05 A)	5,000 m ³ /h
8	SCM DET 2 (EQ ID 04 B)	12,000 m ³ /h
9	Wadkin Dimension Saw (EQ ID 12)	2,000 m ³ /h
10	Wadkin Crosscut Saw (EQ ID 09)	1,250 m ³ /h
11	Lamont Edge Bander (EQ ID 06)	5,000 m ³ /h
12	Lamont Edge Bander (EQ ID 06)	5,000 m ³ /h
13	Scheppach Dimsaw (EQ ID 07)	2,000 m ³ /h
14	Mitre Saw Extraction Bench (EQ ID 15)	1,105 m ³ /h
15	Mitre Saw Extraction Bench (EQ ID 15)	1,105 m ³ /h
16	Mitre Saw Extraction Bench (EQ ID 15)	1,105 m ³ /h
17	Mitre Saw Extraction Bench (EQ ID 15)	1,105 m ³ /h
18	Mitre Saw Extraction Bench (EQ ID 15)	1,105 m ³ /h
19	Mitre Saw Extraction Bench (EQ ID 15)	1,105 m ³ /h
20	Mitre Saw Extraction Bench (EQ ID 15)	1,105 m ³ /h
21	Mitre Saw Extraction Bench (EQ ID 15)	1,105 m ³ /h
22	Mitre Saw Extraction Bench (EQ ID 15)	1,105 m ³ /h

23	Mitre Saw Extraction Bench (EQ ID 15)	1,105 m ³ /h
24	Mitre Saw Extraction Bench (EQ ID 15)	1,105 m ³ /h
25	Mitre Saw Extraction Bench (EQ ID 16)	1,105 m ³ /h
26	Mitre Saw Extraction Bench (EQ ID 17)	1,105 m ³ /h
27	Mitre Saw Extraction Bench (EQ ID 18)	1,105 m ³ /h
28	Mitre Saw Extraction Bench (EQ ID 19)	1,105 m ³ /h

The total extraction requirement for the above-listed machines is **81,825 m³/h** however the system is limited to a maximum volume of **64,825 m³/h**. The system will be split between a total of three extraction lines which will be limited to the volume shown.

- **Line 1**
 - Machines: 1 - 8
 - Extraction limit: 38,000 m³/h
- **Line 2**
 - Machines: 9 - 13
 - Extraction limit: 10,250 m³/h
- **Line 3**
 - Machines: 14 - 28
 - Extraction limit: 16,575 m³/h

System Components and Features

Cyclofilter

Our Air Plants Cyclofilter 156 has been proposed for the extraction of various wood dusts for continuous periods of up to 10 hours per day.

Our Cyclofilter features a coned design to maximise throughput and minimise dust contact with the filter sleeves. This results in cleaner filters and better system performance. The Cyclofilter employs automatic reverse pulse cleaning that will clean the filter on demand.

Footprint and Waste Management

The Cyclofilter 156, with a small footprint (4.7m diameter), will be fitted with a rotary valve underneath, which will discharge waste into a silo-loop system, transferring material to the Talbott's biomass silo.

Waste Transfer Systems

A new silo transfer system will be fitted to remove the waste material from the Cyclofilter via a rotary valve which will then be transferred to a high-throughput cyclone located on top of the new silo. This in turn would discharge the waste into the silo via a rotary valve. The loop system will route to collect the waste material from the Bulldog shredder's 220 x 1,000mm rotary valve therefor avoiding the need for the waste material to pass through the Cyclofilter.

- New galvanised clipped ducting
- 1 x High-throughput cyclone
- 1 x 350 x 1,000mm Rotary valve (High-throughput cyclone)
- 1 x 220 x 1,000mm Rotary valve (Bulldog shredder)
- 1 x ATEX-rated Air Plants Load 5 - 18.5kW fan

As an optional extra, we have quoted for a sound enclosure which can be fitted around the ATEX rated Air Plants Load 5 - 18.5kW fan.

Extraction Fans

- 1 x ATEX-rated 915HE 110kW fan
 - Machines 1 - 8 will be connected to this fan line.
- 1 x ATEX rated 710HP 22kW fan
 - Machines 9 - 13 will be connected to this fan line.
- 2 x ATEX rated 710HP 30kW fan
 - Machines 14 - 28 will be connected to this fan line.

As an optional extra, we have quoted for a sound enclosure which can be fitted around the ATEX rated Air Plants 915HP - 110kW, ATEX rated Air Plants 710HP 22kW and two off ATEX rated Air Plants 710HP 30kW fans.

Control System

The system will be controlled by an Air Plants-designed control panel with sequential start-up and shutdown. The compressed air filter cleaning for the filter is activated by a pulse controller that measures differential pressure across the filter sleeves and cleans on demand. The controller will carry out a full clean on shutdown, enabling the Cyclofilter to maintain a constant pressure drop throughout the operation.

The control panel will be fitted with WEG inverter for the 110kW, 22kW and 2 x 30kW fans and a Siemens HMI panel.

Air Smart Energy Saving System

To have the ability to shut-off machines automatically when not in use, Air Plants have included for our energy save system across all three lines i.e. fans Air Plants ATEX rated 915HE 110kW, Air Plants ATEX rated 710HP 22kW and ATEX rated 710HP 30kW's. The system will be able to Independently control both fans based on operational demand.

For the main line using the Air Plants ATEX rated 915HE 110kW fan we have worked on a 20% air volume saving where not all machines are in use for the main part of your working period. This equates to an annual reduction in power usage of 120,780 kWh and at a total average rate of 28p/kWh for 2,500 hours per year (please confirm) would represent a **saving of £33,818.40 per year.**

For the two Air Plants ATEX rated 710HP 30kW fans we have worked on a 20% air volume saving where not all machines are in use for the main part of your working period. This equates to an annual reduction in power usage of 65,880 kWh and at a total average rate of 28p/kWh for 2,500 hours per year (please confirm) would represent a **saving of £18,446.40 per year.**

The 15 Mitre saw extraction benches will be supplied with on/off switches for operator control as it is currently unknown whether an electrical contact is available within the mitre saws.

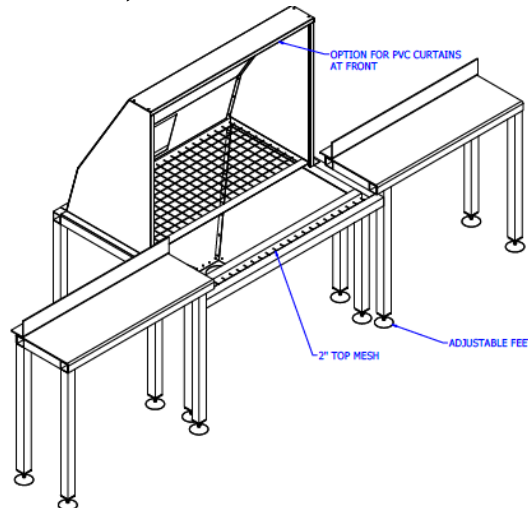
For the Air Plants ATEX rated 710HP 22kW fan we have worked on a 20% air volume saving where not all machines are in use for the main part of your working period. This equates to an annual reduction in power usage of 24,156 kWh and at a total average rate of 28p/kWh for 2,500 hours per year (please confirm) would represent a **saving of £6,763.70 per year.**

Ducting and Extraction Benches

We have allowed for new galvanised clipped style ducting to be installed at high level throughout the factory from the machines listed above to the main system components fitted externally. We have allowed for the provision of all new connections to the machinery.

Where required new, flexible hose will be supplied and fitted. Flexible hoses will be earth-bonded to remove any static discharge.

For the 15 off Mitre Saws, new extraction benches like those shown below but customised to suit your mitre saws and specific operational requirements. Final mitre saw details and customer requirements will need to be confirmed at a later stage. Each mitre saw extraction bench will be fitted with a Ø125 mm connection which allows for the required extraction volume of 1,105 m³/h.



Dwyer magnahelic gauges will be fitted at each machine to provide the operator with a visual indication that suitable extraction is present.

Safety Features

As part of the safety features on the system, an Explosion Isolation Valve (EIV) has been included for all three extraction lines with each one being shown separately. You would need a risk assessment to be conducted by a competent person with DSEAR qualifications if this is to be omitted. The operator of the system has the responsibility to ensure that the system complies.

Commissioning and Compliance

Upon completion of the installation, one of our P604-trained commissioning engineers will conduct an LEV test to ensure compliance with HSE requirements and establish a baseline for future tests.

DESIGN REQUIREMENTS FOR HSE COMPLIANCE

As a longstanding UK manufacturer and Installer of dust extraction systems Air Plants are at the forefront of the UK dust control Industry. In recent years HSE have been Increasingly concerned by the Impact of dust and air quality on worker health.

Air Plants will ensure that your dust extraction system is designed in accordance with current legislation and industry best practice. Below we have detailed the key considerations which must be adhered to for a fully compliant system. Legal responsibility for HSE compliance lies with the employer or operating company and therefore It is critically Important that our customers understand these considerations to ensure that they only specify a compliant, ATEX rated system which Air Plants will provide.

ATEX REGULATIONS

In summary, The ATEX/DSEAR regulations relate to minimising the impact of working with a substance/process that can create an explosive atmosphere. The two ATEX directives (94/9/EC & 99/92/EC) and consequent DSEAR regulations(2002) give guidance on the employer's responsibility for carrying out a DSEAR risk assessment and taking actions to protect their employees. There are many ways to mitigate & reduce the implications of a dust explosion, such as isolation and safe venting, and the Air Plants team will be happy to discuss these options with you. All of the filters, fans and rotary valves quoted by Air Plants Dust Extraction Ltd have been certified by an external body in line with the ATEX Directive 94/9/C.

Such equipment will be marked -



COSHH REGULATIONS

The objective of COSHH (Control of Substances Hazardous to Health) is to prevent, or adequately control, exposure to substances hazardous to health so as to prevent ill health. The COSHH (2002) regulations cover what is required within your COSHH risk assessment and a control strategy. Alongside this, designs should be produced in line with guidance from HSG258 and other documentation. Whilst legal responsibility for COSHH falls upon the operator/employer we strive to ensure we provide a solution that meets or exceeds industry best practice at all times.

Please note that HSE advise the use of appropriate RPE (Respiratory Protective Equipment) in addition to effective dust extraction controls for many types of machines. As this is the responsibility of the employer, we recommend reviewing the HSE guidance at <https://www.hse.gov.uk/coshh/essentials/direct-advice/woodworking.htm> and providing suitable RPE at all times as required.

THE AIR PLANTS SOLUTION

AP Cyclofilter System Specification

This high-performance filter type is from our '**AFT Range**' of filters. The Cyclofilter has a "non-blocking" filter sleeve arrangement, and together with careful airflow modelling this makes the Air Plants Cyclofilters highly efficient in terms of:

- Continuous on-demand filter sleeve cleaning for continuous running without loss of suction. Suitable for multiple shift patterns and extended working hours applications.
- Unique drop-out chamber design with ventilated bulkheads lowering 'can' velocity, aiding filter cleaning to ensure high performance on a continuous basis.
- Air Plants Filter sleeves have anti-static dust release coatings to ensure excellent secondary 'cake' release.
- Heavy duty screw conveyor removes waste in a controlled manner. The efficient design drastically reduces maintenance running costs compared to scraper conveyors.
- Compact design allows for easy integration in tight areas.
- Handles many waste types without loss of performance.

Filter System	Air Plants Cyclofilter 156
Intended Use	ST1 wood dust/chip - 5µm to 20mm
ATEX Reference	II 2 D c T80°C - ATEX Internal / Non-Zone External
Filter Media	165 dia. 400 g/m ² Anti-Static polyester needle felt with external dust release coating.
Total filter surface area	310M ²
Filtration Velocity	3.48M/M
ATEX Explosion Protection	II D Membrane panels pstat 0.1 bar g (1.1 Bar a)
External Finish	Prime Quality Galvanized (BS2929) Z2 class 2A
AFT Cleaning system	Automatic reverse jet cleaning (on demand)
Compressed Air Consumption	345 ltr/min (20 sec intervals @ 6 bar clean and dry)
Cleaned Air	Return air capability to avoid unnecessary heat losses in factory.
Dust Entry	Tangential inlet 95% pre separation
Waste removal	Rotary valve outlet



Rotary Valve Airlock

The Air Plants **ATEX** rated Rotary Valve is designed to be robust, reliable and energy efficient: -

- Solid through drive shaft giving strength and reliability.
- End bearings with triple lip seals to prevent dust emission.
- Moulded blades from our unique compound ensure high flexibility with low wear rates.
- Engineered to be efficient, reliable with minimal service requirements.

Rotary Valve Type	Air Plants 350RV Heavy-duty solid shaft valve
ATEX Reference	II 2 D c T80°C - ATEX Internal / Non-Zone External
Valve Drive	0.75 kw shaft mounted Helical gearbox 360Nm Output Torque

Rotary Valve Type	Air Plants 220RV Heavy-duty solid shaft valve
ATEX Reference	II 2 D c T80°C - ATEX Internal / Non-Zone External
Valve Drive	0.75 kw shaft mounted Helical gearbox 360Nm Output Torque



Explosion Isolation Valve

It is a requirement under ATEX regulations, and often by many insurance companies, that an ATEX rated Explosion Isolation Valve is fitted within the system. This will protect your factory premises and employees from well documented explosion risks associated with storage and transfer of explosive dust materials. We have included this to ensure safety and compliance for your new extraction system.

Dust Class	St1
Kst Max	300 bar.m/sec
Max explosion pressure	0.50 bar to DN700
Max explosion pressure	0.25 bar to DN800 - DN1000
ATEX Reference	Ex II D CE 2049 Internal Zone 20



Fanset Specification

The Air Plants **ATEX** rated HE and HP fan is designed to be robust, reliable and energy efficient: -

- Design efficiency, up to 85%
- Low noise characteristics
- Heavy duty flange and foot mounted motor for extra stability.

Fan Reference-Type	Air Plants 915HE
ATEX Reference	II 2 D c T80°C - ATEX Internal / Non-Zone External
Impellor type	High Efficiency backward blade
Noise	83 dB(A) at 1mtr free field
Balancing	Dynamically balanced to Grade G 2.5
Drive	Direct Driven
Casing	Heavy gauge mild steel

External Finish	Primer/Finish Cromadex 480 Grey RAL9007
Motor	110 Kw IP 55 Fan cooled metric motor

Fan Reference-Type	Air Plants 710HP
ATEX Reference	II 2 D c T80°C - ATEX Internal / Non-Zone External
Impellor type	High Efficiency backward blade
Noise	81 dB(A) at 1mtr free field
Balancing	Dynamically balanced to Grade G 2.5
Drive	Direct Driven
Casing	Heavy gauge mild steel
External Finish	Primer/Finish Cromadex 480 Grey RAL9007
Motor	22 Kw IP 55 Fan cooled metric motor

Fan Reference-Type	2 x Air Plants 710HP
ATEX Reference	II 2 D c T80°C - ATEX Internal / Non-Zone External
Impellor type	High Efficiency backward blade
Noise	81 dB(A) at 1mtr free field
Balancing	Dynamically balanced to Grade G 2.5
Drive	Direct Driven
Casing	Heavy gauge mild steel
External Finish	Primer/Finish Cromadex 480 Grey RAL9007
Motor	30 Kw IP 55 Fan cooled metric motor



AP Extraction Control Panel Specification

Reference	Air Plants CP - Auto
Features	Auto sequence Start - Auto sequence Stop
Manufacture	In Accordance with IEE Wiring Regulations BS 7671:2001 17 th Edition
Enclosure	IP 66 enclosure c/w Door Interlocked Isolator
External Finish	RAL 7032 Grey
Electrical supply	Suitable for 415v-3ph-50hz

Ducting Specification

Complies with	HSE-HSG258
Material	Prime Quality Galvanized (BS2929)Z2 class 2A
Straight	Lock formed along length swaged, slip and clip joints
Bends	Multiple lock formed gores slipped ends
Shoes	Swept 45 deg.
Flex	Polyurethane Heavy duty

Duct Support Specification

Duct attachment	Two piece split galvanized band
Support	Galvanised thin wall tube/Threaded M10 Rod
Fastening	Lindapter purlin clips

Energy Saving Auto-Gates

When considering the requirements of your new dust extraction system it is critically important to consider the ongoing running costs as well as the initial capital outlay. All Air Plants systems are designed to maximise efficiency. This reduces running costs significantly and can often lead to reduced power usage. With power prices at record levels, we also recommend the installation of our AP Auto-control gates that will save you money on power by providing on-demand extraction, reducing the fan duty to only use the precise power needed based on machines in operation at any one time. Air Plants can connect a high number of machines with only one control box, and our unique system allows for significant reduction in control wiring, saving you money ongoing.

Type	Air Smart
-------------	-----------

Cost Summary

Description	Cost (Excl. VAT)
Supply, delivery and installation of AP Cyclofilter 156; rotary valves; AP 915HE 110kW main fan, AP 710HP 22kW fan, 2 x AP 710HP 30kW mitre saw bench fans, AP Load 5 - 18.5kW waste transfer fan, high-throughput cyclone, control panel, 15 x Mitre saw extraction benches and on/off switches, galvanised clipped ducting, machine connections, flexible hose and magnahelic pressure gauges.	
Supply, delivery and installation of the Air Smart Energy Saving System.	
Supply, delivery and installation of an EIV + 2mm ducting - AP 915HE 110kW line	
Supply, delivery and installation of an EIV + 2mm ducting - AP 710HP 22kW	
Supply, delivery and installation of an EIV + 2mm ducting - AP 710HP 30kW	
Price for the testing/commissioning of the LEV plant.	Included.
Subtotal	

Options

Additional price for a sound enclosure - AP 915HE 110kW fan	
Additional price for a sound enclosure - AP 710HP 22kW fan	
Additional price for a sound enclosure - 2 x AP 710HP 30kW fan	
Additional price for a sound enclosure - AP Load 5 - 18.5kW fan	
Subtotal	

Conditions of Sale and project payment terms

Your attention is drawn to our standard conditions of sale which are available on our website link below and in particular to our terms of payment for this project which are as follows: -

- 30% of contract value with order
- 60% of contract value on notification of delivery date prior to despatch.
- 10% of contract value on completion of installation

Next Steps

Thank you for your enquiry; to discuss your system design further and proceed with this project please contact me and I will be happy to go through any element of this proposal with you. My direct contact details are as follows.

Raymond Johnson

E: raymond.johnson@airplants.co.uk

M: +44 (0) 7718 773410

Client Responsibilities

To facilitate the successful delivery, installation, and operation of the proposed dust extraction systems, the following responsibilities are to be undertaken by the client unless otherwise specified within the scope of supply or ordered through Air Plants Dust Extraction Ltd.

Equipment and Access

- **Lifting and Access Equipment:** Provision or hire of suitable lifting and access equipment (e.g. scissor lifts and cherry pickers).
- **Crane hire:** Provision or hire of a crane or hi-ab suitable to build and lift the filter and fans.
- **Forklift:** Use of forklift or similar to assist with offloading and positioning of equipment.

Electrical and Power Supply

- **Power Supply:** Provision of a suitable three-phase mains power supply.
- **Electrical Wiring:** Installation of electrical wiring to connect electric motors, safety devices, and controllers.

Compressed Air Supply

- **Compressed air:** Provision of a dry, oil-free compressed air for the Cyclofilter and to the Air Smart pneumatic dampers.

Site Preparation and Infrastructure

- **Foundations and Structural Works:** Supply and installation of concrete foundations, along with cutting, sealing, and weatherproofing of any holes or penetrations required for equipment installation.

Operational and Storage Requirements

- **Working Hours:** Responsibility for any premium-time working (outside normal hours of 08:30–17:00, Monday to Friday) unless explicitly included in the cost breakdown.
- **Equipment Storage:** Safe and secure storage of all delivered equipment on-site prior to installation.

Additional Notes

- Please refer to the "Scope of Supply" section for further clarification on inclusions and exclusions. Any items not expressly listed as provided by Air Plants Dust Extraction Ltd. remain the responsibility of the client.

Scope of Supply

<i>Description</i>	<i>Air Plants Dust Extraction</i>	<i>WPS UK Ltd</i>
Ductwork	*	
Ductwork supports	*	
Site delivery	*	
Removal of existing equipment (ducting)		N/A
Offloading of equipment		*
Forklift truck and operator for offloading/positioning		*
Crane/hi-ab for filter build		*
Access equipment for installation		*
Civil/Builders work, preparation of foundations. Making good of holes in walls or roofs		*
Mechanical installation	*	
Compressed air installation		*
Mains electrical supply		*
Electrical site wiring		*
Air Smart Energy Saving System wiring	*	
Project management	*	
Commissioning/LEV testing	*	
Local authority planning applications (if required)		*
Structural or building calculation (if required)		*
DSEAR Risk Assessment		*



✉ sales@airplants.co.uk

📍 Air Plants Dust Extraction Ltd,
295 Aylestone Road,
Leicester,
Leicestershire,
LE2 7QJ

☎ 0116 283 3581

<https://www.airplants.co.uk/terms-and-conditions/>

Reference: 333102819/A5/TC

Appendix D – Summary of paint use from 2025

Stock Code	Description	Quantity (litres)	Comment
00960/5/PDE	Black Gloss A/C Enamel	50.00	
08670/0/5/CPO	Acid Catalyst	0.50	Test Product
13900/2.25/CPO	Acid Catalyst for H/S	1,169.44	
13920/25/CDE	Thinner for High-Solids A/C	16,875.00	
34113/25/CPO	W/B Mahogany Stain	5,625.00	Water based
34493/5/CPO	W/B Lt Oak S/P Stain	2,625.00	Water based
34720/22.5/PDE	Compliant A/C Coffin Lacquer	40,500.00	
35420/22.5/PDE	Lt Oak 99 Comp A/C Basecoat	27,337.50	
40684/5/RDE	Strong Cherry Naphtha Stain	50.00	
42106/5/RDE	ASH PIGMENTED NAPHTHA STAIN	50.00	
45051/5/LLP	Aqualine White Primer	100.00	
46175/5/PDE	White A/C High Opacity Primer	25.00	Test Product
52390/25/PPL	High Gloss W/B Lacquer	404,375.00	Water based
54112/25/PPL	New Medium Oak W/B Stain	15,625.00	Water based
57588/5/LLP	Barbie Pink 40% GI W/B Stain	100.00	Water based - same spec as White
57589/5/LLP	White 40% GI W/B Enamel	125.00	Water based
57849/5/LLP	Light Blue 40% GI W/B Enamel	100.00	Water based - same spec as White
58990/25/PPL	W/B Gloss Casket Lacquer	1,125.00	Water based - No longer purchased

14th August 2026

Unit 2 Earlsfield Park, Prescot – Ref: 26/00189/FUL: Response to Knowsley Council Environmental Health and Consumer Protection Service
Consultation Response

Page 11 of 13

Reference: 333102819/A5/TC

Appendix E – Paint data sheets

Technical datasheet.



PRODUCT TYPE:	PIGMENTED A/C FINISHES
ADVANTAGES:	Acid-catalysed materials suitable for use in most applications where pre-catalysed enamels do not offer sufficient build or durability.

MIXING RATIO:	10:1 vol 08670	COLOUR:	Jet Black	PRODUCT CODE:	00960
THINNERS:	00943	GLOSS:	full	TYPICAL PERFORMANCE:	Suitable for interior use where excellent durability is required.

PHYSICAL PROPERTIES

VISCOSITY:	100-110 seconds B4 @ 20°C	DRYING TIMES:	Minimum 2 hours at 20°C
VOC CONTENT:	478 grams/litre	CURING TIMES:	30 minutes at 60°C
WEIGHT SOLIDS:	52%	POT LIFE:	Up to 24 hours possible
FLASH POINT:	22-32°C	STORAGE LIFE:	12 months from manufacture date.

APPLICATION CONSIDERATIONS

SUBSTRATE PREPARATION:	Ensure surfaces to be coated are clean, dry and free from contamination.	THEORETICAL COVERAGE:	12 m2 per litre
SUBSTRATE:	Most wood substrates.	WET FILM THICKNESS:	80 microns
APPLICATIONS:	Spray over an A/C primer such as 00983	DRY FILM THICKNESS:	30 microns
APPLICATION ADVICE:	Any over-spray dust formed during the coating process e.g. in spray areas, MUST be thoroughly damped with water prior to disposal, due to the possibility of spontaneous combustion.	(APPROX PER COAT):	

Contact details

Intercoat Industrial Paints Ltd | Bridgeman Street | Walsall | West Midlands | WS2 9NW | www.intercoat-paints.co.uk | sales@intercoat-paints.co.uk
| Tel 01922 638821 | Waste Licence ref EAWML/40289

Health and Safety

A Health and Safety Datasheet for this product will have been automatically emailed as part of the order acknowledgement. Should another copy be required please contact Intercoat on 01922 638821 or via email on sales@intercoat-paints.co.uk. Please note the product label will also contain details of hazards and should be read fully, prior to using the product.

COSHH Advice

The HSDS datasheet is insufficient as a COSHH Risk Assessment. The information on this datasheet coupled with the HSDS should form a firm foundation for the construction of your COSHH risk assessment for the use of this product. You are advised to take into account the area in which the product is used (which may be unique in your operation) and also the exposure of staff working within the area. Fundamental issues would include air extraction (LEV), use of PPE where required and staff training.

Product Quality

All products undergo thorough Quality Control Testing. Always ensure that the product is completely stirred up before use. In line with our Terms and Conditions you are advised to check the product including colour and gloss on a representative substrate sample, prior to a full production run.

Waste Disposal

If the product label does not state that the material is "NC - Not Classified " then the material will be classified as Hazardous Waste and will need to be disposed of in line with the current legislation. Intercoat can provide that service as a registered Waste Carrier and Waste Transfer Station. Please contact Intercoat for a quotation.

Technical datasheet.



Technical datasheet.



PRODUCT TYPE:	14-LINE WATER-BASED STAIN
ADVANTAGES:	A range of light stable waterbased stains. For application to most types of wood.

MIXING RATIO:	n/a	COLOUR:	Mahogany	PRODUCT CODE:	34113
THINNERS:	Up to 2% clean water	GLOSS:	n/a	TYPICAL PERFORMANCE:	Decorative Effect only. Should be overcoated with a suitable lacquer system.

PHYSICAL PROPERTIES

VISCOSITY:	n/a	DRYING TIMES:	Typically 15 minutes @ 20°C dependant on the timber used
VOC CONTENT:	Approx. 64.4 gms/ltr	CURING TIMES:	n/a
WEIGHT SOLIDS:	4.24	POT LIFE:	n/a
FLASH POINT:	Not Flammable	STORAGE LIFE:	6 months from the date of manufacture. Protect fro

APPLICATION CONSIDERATIONS

SUBSTRATE PREPARATION:	Ensure surfaces are clean, dry and free from contamination.	THEORETICAL COVERAGE:	Dependant on application
SUBSTRATE:	Most wooden substrates	WET FILM THICKNESS:	n/a
APPLICATIONS:	Rag, Spray and wipe or spray as required	DRY FILM THICKNESS:	n/a
APPLICATION ADVICE:	#Name?	(APPROX PER COAT):	

Contact details
Intercoat Industrial Paints Ltd | Bridgeman Street | Walsall | West Midlands | WS2 9NW | www.intercoat-paints.co.uk | sales@intercoat-paints.co.uk
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Product Quality

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Waste Disposal

If the product label does not state that the material is "NC - Not Classified " then the material will be classified as Hazardous Waste and will need to be disposed of in line with the current legislation. Intercoat can provide that service as a registered Waste Carrier and Waste Transfer Station. Please contact Intercoat for a quotation.

Technical datasheet.



Technical datasheet.



PRODUCT TYPE:	THINNER FOR HIGH SOLID A/C
ADVANTAGES:	A solvent thinner formulated to reduce the viscosity of high-solid A/C lacquers and enamels.

MIXING RATIO:		COLOUR:	clear	PRODUCT CODE:	13920
THINNERS:		GLOSS:		TYPICAL PERFORMANCE:	Addition of thinner will increase the VOC content of a product and may render the product non-compliant.

PHYSICAL PROPERTIES

VISCOSITY:		DRYING TIMES:	
VOC CONTENT:	828 gms/ltr	CURING TIMES:	
WEIGHT SOLIDS:		POT LIFE:	
FLASH POINT:	Below 22`C	STORAGE LIFE:	12 months from manufacture date

APPLICATION CONSIDERATIONS

SUBSTRATE PREPARATION:		THEORETICAL COVERAGE:	
SUBSTRATE:		WET FILM THICKNESS:	
APPLICATIONS:		DRY FILM THICKNESS:	
APPLICATION ADVICE:	#Name?	(APPROX PER COAT):	

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Product Quality

All products undergo thorough Quality Control Testing. Always ensure that the product is completely stirred up before use. In line with our Terms and Conditions you are advised to check the product including colour and gloss on a representative substrate sample, prior to a full production run.

Waste Disposal

If the product label does not state that the material is "NC - Not Classified " then the material will be classified as Hazardous Waste and will need to be disposed of in line with the current legislation. Intercoat can provide that service as a registered Waste Carrier and Waste Transfer Station. Please contact Intercoat for a quotation.

Technical datasheet.



PRODUCT TYPE:	THINNER FOR HIGH SOLID A/C
ADVANTAGES:	A solvent thinner formulated to reduce the viscosity of high-solid A/C lacquers and enamels.

MIXING RATIO:		COLOUR:	white	PRODUCT CODE:	13920
THINNERS:		GLOSS:		TYPICAL PERFORMANCE:	Addition of thinner will increase the VOC content of a product and may render the product non-compliant.

PHYSICAL PROPERTIES

VISCOSITY:		DRYING TIMES:	
VOC CONTENT:	828 gms/ltr	CURING TIMES:	
WEIGHT SOLIDS:		POT LIFE:	
FLASH POINT:	Below 22`C	STORAGE LIFE:	12 months from manufacture date

APPLICATION CONSIDERATIONS

SUBSTRATE PREPARATION:		THEORETICAL COVERAGE:	
SUBSTRATE:		WET FILM THICKNESS:	
APPLICATIONS:		DRY FILM THICKNESS:	
APPLICATION ADVICE:	#Name?	(APPROX PER COAT):	

Health and Safety

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Product Quality

All products undergo thorough Quality Control Testing. Always ensure that the product is completely stirred up before use. In line with our Terms and Conditions you are advised to check the product including colour and gloss on a representative substrate sample, prior to a full production run.

Waste Disposal

If the product label does not state that the material is "NC - Not Classified " then the material will be classified as Hazardous Waste and will need to be disposed of in line with the current legislation. Intercoat can provide that service as a registered Waste Carrier and Waste Transfer Station. Please contact Intercoat for a quotation.

Technical datasheet.



PRODUCT TYPE:	WATER-BASED STAINS
ADVANTAGES:	A range of light stable pigmented water based stains for application to most types of wood

MIXING RATIO:	N/A	COLOUR:	Lt Oak	PRODUCT CODE:	34493
THINNERS:	Up to 2% clean water	GLOSS:	N/A	TYPICAL PERFORMANCE:	Decorative effect only

PHYSICAL PROPERTIES

VISCOSITY:	N/A	DRYING TIMES:	Up to 60 minutes @ 20°C dependant on the timber used
VOC CONTENT:	Approx 65 gms/ltr	CURING TIMES:	n/a
WEIGHT SOLIDS:	7.75%	POT LIFE:	n/a
FLASH POINT:	Not Flammable	STORAGE LIFE:	6 months from manufacture date. Protect from frost

APPLICATION CONSIDERATIONS

SUBSTRATE PREPARATION:	Ensure all surfaces to be coated are clean, dry and free from contamination.	THEORETICAL COVERAGE:	Dependant on application
SUBSTRATE:	Most wood substrates	WET FILM THICKNESS:	n/a
APPLICATIONS:	Rag, spray and wipe, or spray as required.	DRY FILM THICKNESS:	n/a
APPLICATION ADVICE:	#Name?	(APPROX PER COAT):	

Contact details
Intercoat Industrial Paints Ltd | Bridgeman Street | Walsall | West Midlands | WS2 9NW | www.intercoat-paints.co.uk | sales@intercoat-paints.co.uk
| Tel 01922 638821 | Waste Licence ref EAWML/40289

Health and Safety

A Health and Safety Datasheet for this product will have been automatically emailed as part of the order acknowledgement. Should another copy be required please contact Intercoat on 01922 638821 or via email on sales@intercoat-paints.co.uk. Please note the product label will also contain details of hazards and should be read fully, prior to using the product.

COSHH Advice

The HSDS datasheet is insufficient as a COSHH Risk Assessment. The information on this datasheet coupled with the HSDS should form a firm foundation for the construction of your COSHH risk assessment for the use of this product. You are advised to take into account the area in which the product is used (which may be unique in your operation) and also the exposure of staff working within the area. Fundamental issues would include air extraction (LEV), use of PPE where required and staff training.

Product Quality

All products undergo thorough Quality Control Testing. Always ensure that the product is completely stirred up before use. In line with our Terms and Conditions you are advised to check the product including colour and gloss on a representative substrate sample, prior to a full production run.

Waste Disposal

If the product label does not state that the material is "NC - Not Classified " then the material will be classified as Hazardous Waste and will need to be disposed of in line with the current legislation. Intercoat can provide that service as a registered Waste Carrier and Waste Transfer Station. Please contact Intercoat for a quotation.

Technical datasheet.



SAFETY DATA SHEET

Compliant A/C Coffin Lacquer

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Compliant A/C Coffin Lacquer

Product number 34720

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial wood coating.

1.3. Details of the supplier of the safety data sheet

1.4. Emergency telephone number

Catalyst 10:1 v/v 08670

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Flam. Liq. 3 - H226

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H336 STOT RE 2 - H373

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xn;R20/21/22. Xi;R38,R41. R10.

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements

- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.

Compliant A/C Coffin Lacquer

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P260 Do not breathe vapour/ spray.

P261 Avoid breathing vapour/ spray.

P264 Wash contaminated skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/ doctor.

P312 Call a POISON CENTRE/doctor if you feel unwell.

P314 Get medical advice/ attention if you feel unwell.

P321 Specific treatment (see medical advice on this label).

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/ container in accordance with national regulations.

Contains

xylene- mixture of isomers, BUTYL ACETATE -norm, BUTANOL-norm, ISO-BUTANOL

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

xylene- mixture of isomers		10-30%
CAS number: 1330-20-7		EC number: 215-535-7
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 Xn;R20/21 Xi;R38	
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
STOT RE 2 - H373		
Asp. Tox. 1 - H304		
Aquatic Chronic 3 - H412		
BUTYL ACETATE -norm		10-30%
CAS number: 123-86-4		EC number: 204-658-1
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 R66 R67	
STOT SE 3 - H336		

Compliant A/C Coffin Lacquer

BUTANOL-norm		5-10%
CAS number: 71-36-3		EC number: 200-751-6
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336		Classification (67/548/EEC or 1999/45/EC) R10 Xn;R22 Xi;R37/38,R41 R67
ISO-BUTANOL		5-10%
CAS number: 78-83-1		EC number: 201-148-0
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336		Classification (67/548/EEC or 1999/45/EC) R10 Xi;R37/38,R41 R67
ETHYLBENZENE		1-5%
CAS number: 100-41-4		EC number: 202-849-4
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412		Classification (67/548/EEC or 1999/45/EC) F;R11 Xn;R20
FORMALDEHYDE ...%		0.05-0.1%
CAS number: 50-00-0		EC number: 200-001-8
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 1B - H350 STOT SE 3 - H335		Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40 T;R23/24/25 C;R34 R43

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move affected person to fresh air at once. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.

Compliant A/C Coffin Lacquer

Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Protective actions during firefighting Move containers from fire area if it can be done without risk. Fight fire from safe distance or protected location.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

xylene- mixture of isomers

Long-term exposure limit (8-hour TWA): OES 50 ppm(Sk) 220 mg/m³(Sk)

Short-term exposure limit (15-minute): OES 100 ppm(Sk) 441 mg/m³(Sk)

Compliant A/C Coffin Lacquer

BUTYL ACETATE -norm

Long-term exposure limit (8-hour TWA): OES 150 ppm 724 mg/m³

Short-term exposure limit (15-minute): OES 200 ppm 966 mg/m³

BUTANOL-norm

Long-term exposure limit (8-hour TWA): OES

Short-term exposure limit (15-minute): OES 50 ppm(Sk) 154 mg/m³(Sk)

ISO-BUTANOL

Long-term exposure limit (8-hour TWA): OES 50 ppm 154 mg/m³

Short-term exposure limit (15-minute): OES 75 ppm 231 mg/m³

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): OES 100 ppm(Sk) 441 mg/m³(Sk)

Short-term exposure limit (15-minute): OES 125 ppm(Sk) 552 mg/m³(Sk)

FORMALDEHYDE ...%

Long-term exposure limit (8-hour TWA): MEL 2 ppm 2.5 mg/m³

Short-term exposure limit (15-minute): MEL 2 ppm 2.5 mg/m³

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Use protective gloves.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Initial boiling point and range	116-143°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.1% M Upper flammable/explosive limit: 6.6% M
Relative density	1.0@20*c @ °C

9.2. Other information

Volatile organic compound This product contains a maximum VOC content of 446 g/l.

SECTION 10: Stability and reactivity

Compliant A/C Coffin Lacquer

10.1. Reactivity

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid contact with the following materials: Acids. Oxidising agents.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 6,138.74

Acute toxicity - dermal

ATE dermal (mg/kg) 7,330.36

Acute toxicity - inhalation

ATE inhalation (gases ppm) 24,219.85

ATE inhalation (vapours mg/l) 59.2

ATE inhalation (dusts/mists mg/l) 8.07

Inhalation Harmful by inhalation. May cause respiratory system irritation.

Ingestion Harmful if swallowed.

Skin contact Harmful in contact with skin. Irritating to skin.

Eye contact Irritating to eyes.

Target organs Skin Eyes Respiratory system, lungs

SECTION 12: Ecological information

Ecotoxicity Dangerous for the environment if discharged into watercourses.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Compliant A/C Coffin Lacquer

Disposal methods	If disposing of overspray in barrel lots there is a small risk of heat generation due to the compaction of the material. Damping with water eliminates this risk Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.
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SECTION 14: Transport information

Road transport notes Avoid releasing into the environment.

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

UN No. (ADN) 1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT RELATED MATERIAL

Proper shipping name (IMDG) PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT RELATED MATERIAL

Proper shipping name (ADN) PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

ADN packing group III

14.5. Environmental hazards

Compliant A/C Coffin Lacquer

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number 30
(ADR/RID)

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Guidance Workplace Exposure Limits EH40.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 01/07/2022

Risk phrases in full

R10 Flammable.
 R11 Highly flammable.
 R20 Harmful by inhalation.
 R20/21 Harmful by inhalation and in contact with skin.
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 R22 Harmful if swallowed.
 R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
 R34 Causes burns.
 R36 Irritating to eyes.
 R37 Irritating to respiratory system.
 R37/38 Irritating to respiratory system and skin.
 R38 Irritating to skin.
 R40 Limited evidence of a carcinogenic effect.
 R41 Risk of serious damage to eyes.
 R43 May cause sensitisation by skin contact.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R65 Harmful: may cause lung damage if swallowed.
 R66 Repeated exposure may cause skin dryness or cracking.
 R67 Vapours may cause drowsiness and dizziness.

Compliant A/C Coffin Lacquer

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H350 May cause cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.



SAFETY DATA SHEET
Acid catalyst for H/S (306043)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Acid catalyst for H/S (306043)

Product number 13900

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial wood coating.

1.3. Details of the supplier of the safety data sheet

Supplier Intercoat Industrial Paints Ltd
Bridgeman Street
Walsall
West Midlands WS2 9NW
01922 638821
01922 722952

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Corr. 1 - H314 Eye Dam. 1 - H318 STOT SE 2 - H371 STOT SE 3 - H335, H336

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xn;R20/21/22,R68/20/21/22. Xi;R36/37/38. F;R11.

2.2. Label elements

Hazard pictograms



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.
H371 May cause damage to organs .
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

Acid catalyst for H/S (306043)

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P260 Do not breathe vapour/ spray.

P261 Avoid breathing vapour/ spray.

P264 Wash contaminated skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.

P310 Immediately call a POISON CENTER/ doctor.

P312 Call a POISON CENTRE/doctor if you feel unwell.

P321 Specific treatment (see medical advice on this label).

P363 Wash contaminated clothing before reuse.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/ container in accordance with national regulations.

Contains

ISO-BUTANOL, TOLUENESULPHONIC ACID -para <= 5% H₂SO₄, METHANOL

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHANOL		30-60%
CAS number: 64-17-5		EC number: 200-578-6
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225	F;R11	
ISO-BUTANOL		30-60%
CAS number: 78-83-1		EC number: 201-148-0
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 Xi;R37/38,R41 R67	
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
STOT SE 3 - H335, H336		

Acid catalyst for H/S (306043)

TOLUENESULPHONIC ACID -para <= 5% H2SO4		10-30%
CAS number: 104-15-4		EC number: 203-180-0
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Corr. 1 - H314	Xi;R36/37/38	
Eye Dam. 1 - H318		
STOT SE 3 - H335		
METHANOL		1-5%
CAS number: 67-56-1		EC number: 200-659-6
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225	F;R11 T;R23/24/25,R39/23/24/25	
Acute Tox. 3 - H301		
Acute Tox. 3 - H311		
Acute Tox. 3 - H331		
STOT SE 1 - H370		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Keep affected person away from heat, sparks and flames.
Inhalation	Move affected person to fresh air at once. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	The product contains organic solvents.
Ingestion	Harmful if swallowed.
Skin contact	Contains components which may penetrate the skin.
Eye contact	This product is strongly irritating.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Acid catalyst for H/S (306043)

Suitable extinguishing media Extinguish with the following media: Foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Keep away from heat, sparks and open flame.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): OES 1000 ppm 1920 mg/m³

Short-term exposure limit (15-minute): OES

ISO-BUTANOL

Long-term exposure limit (8-hour TWA): OES 50 ppm 154 mg/m³

Short-term exposure limit (15-minute): OES 75 ppm 231 mg/m³

METHANOL

Long-term exposure limit (8-hour TWA): OES 200 ppm(Sk) 266 mg/m³(Sk)

Short-term exposure limit (15-minute): OES 250 ppm(Sk) 333 mg/m³(Sk)

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Acid catalyst for H/S (306043)

Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	Use protective gloves.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear liquid.
Odour	Alcoholic.
pH	pH (concentrated solution): 1-2
Melting point	-112°C
Initial boiling point and range	78°C @
Flash point	13°C Closed cup.
Upper/lower flammability or explosive limits	Upper flammable/explosive limit: 19 Lower flammable/explosive limit: 3.5
Vapour pressure	5.81 kPa @ °C
Vapour density	1.59
Relative density	0.880 @ °C
Auto-ignition temperature	365°C
Comments	Information given is applicable to the major ingredient.

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 668 g/l.
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SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid	Avoid contact with the following materials: Acids. Oxidising agents.
----------------------------	--

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).
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Acid catalyst for H/S (306043)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 5,291.01

Acute toxicity - dermal

ATE dermal (mg/kg) 15,873.02

Acute toxicity - inhalation

ATE inhalation (gases ppm) 37,037.04

ATE inhalation (vapours mg/l) 158.73

ATE inhalation (dusts/mists mg/l) 26.46

Inhalation	Harmful: possible risk of irreversible effects through inhalation.
Ingestion	Harmful: possible risk of irreversible effects if swallowed.
Skin contact	Harmful: possible risk of irreversible effects in contact with skin. Irritating to skin.
Eye contact	Irritating to eyes.
Target organs	Skin Eyes Respiratory system, lungs

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1170

UN No. (IMDG) 1263

UN No. (ICAO) 1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (IMDG) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ADN) PAINT OR PAINT RELATED MATERIAL

Acid catalyst for H/S (306043)**14.3. Transport hazard class(es)**

ADR/RID class	3
ADR/RID label	3
IMDG class	3
ICAO class/division	3

Transport labels**14.4. Packing group**

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS	3-05
Emergency Action Code	3YE
Hazard Identification Number (ADR/RID)	33

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Guidance	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment**SECTION 16: Other information**

Revision date	16/07/2024
Risk phrases in full	R11 Highly flammable. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R36/37/38 Irritating to eyes, respiratory system and skin. R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

Acid catalyst for H/S (306043)

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs .
H371 May cause damage to organs .

Technical datasheet.



PRODUCT TYPE:	WATER-BASED PIGMENTED PRIMER
ADVANTAGES:	A highly pigmented primer supplied ready for industrial use on wood and MDF.

MIXING RATIO:	n/a	COLOUR:	White	PRODUCT CODE:	45051
THINNERS:	clean, soft water if required	GLOSS:	Primer	TYPICAL PERFORMANCE:	Designed to minimise knozzle blockages on automatic spray lines

PHYSICAL PROPERTIES

VISCOSITY:	30 sec B6 cup @ 20°C	DRYING TIMES:	45 minutes @ 20°C.
VOC CONTENT:	28 grams/litre	CURING TIMES:	n/a
WEIGHT SOLIDS:	58%	POT LIFE:	n/a
FLASH POINT:	Not flammable	STORAGE LIFE:	12 months

APPLICATION CONSIDERATIONS

SUBSTRATE PREPARATION:	Ensure surfaces to be coated are clean, dry and free from dust or other contamination.	THEORETICAL COVERAGE:	12m2 / ltr
SUBSTRATE:	Wood and MDF.	WET FILM THICKNESS:	80 microns
APPLICATIONS:	Conventional spray.	DRY FILM THICKNESS:	25 microns
APPLICATION ADVICE:		(APPROX PER COAT):	

Contact details	
Intercoat Industrial Paints Ltd Bridgeman Street Walsall West Midlands WS2 9NW www.intercoat-paints.co.uk sales@intercoat-paints.co.uk Tel 01922 638821 Waste Licence ref EAWML/40289	

Health and Safety

A Health and Safety Datasheet for this product will have been automatically emailed as part of the order acknowledgement. Should another copy be required please contact Intercoat on 01922 638821 or via email on sales@intercoat-paints.co.uk. Please note the product label will also contain details of hazards and should be read fully, prior to using the product.

COSHH Advice

The HSDS datasheet is insufficient as a COSHH Risk Assessment. The information on this datasheet coupled with the HSDS should form a firm foundation for the construction of your COSHH risk assessment for the use of this product. You are advised to take into account the area in which the product is used (which may be unique in your operation) and also the exposure of staff working within the area. Fundamental issues would include air extraction (LEV), use of PPE where required and staff training.

Product Quality

All products undergo thorough Quality Control Testing. Always ensure that the product is completely stirred up before use. In line with our Terms and Conditions you are advised to check the product including colour and gloss on a representative substrate sample, prior to a full production run.

Waste Disposal

If the product label does not state that the material is "NC - Not Classified " then the material will be classified as Hazardous Waste and will need to be disposed of in line with the current legislation. Intercoat can provide that service as a registered Waste Carrier and Waste Transfer Station. Please contact Intercoat for a quotation.

Technical datasheet.



SAFETY DATA SHEET

Lt Oak 99 Comp A/C Basecoat

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Lt Oak 99 Comp A/C Basecoat

Product number 35420

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial wood coating.

1.3. Details of the supplier of the safety data sheet

1.4. Emergency telephone number

Catalyst 10:1 v/v 18600

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H336

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi;R36. F;R11. R67.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.

Lt Oak 99 Comp A/C Basecoat

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing vapour/ spray.

P264 Wash contaminated skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/ doctor.

P312 Call a POISON CENTRE/doctor if you feel unwell.

P321 Specific treatment (see medical advice on this label).

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/ container in accordance with national regulations.

Contains

BUTYL ACETATE -norm, ISO-BUTANOL

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

BUTYL ACETATE -norm		10-30%
CAS number: 123-86-4		EC number: 204-658-1
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 R66 R67	
STOT SE 3 - H336		
ISO-BUTANOL		10-30%
CAS number: 78-83-1		EC number: 201-148-0
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 Xi;R37/38,R41 R67	
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
STOT SE 3 - H335, H336		

Lt Oak 99 Comp A/C Basecoat

ETHANOL		5-10%
CAS number: 64-17-5		EC number: 200-578-6
Classification Flam. Liq. 2 - H225	Classification (67/548/EEC or 1999/45/EC) F;R11	
xylene- mixture of isomers		1-5%
CAS number: 1330-20-7		EC number: 215-535-7
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) R10 Xn;R20/21 Xi;R38	
ETHYLBENZENE		0.1-1%
CAS number: 100-41-4		EC number: 202-849-4
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) F;R11 Xn;R20	
METHANOL		0.1-1%
CAS number: 67-56-1		EC number: 200-659-6
Classification Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	Classification (67/548/EEC or 1999/45/EC) F;R11 T;R23/24/25,R39/23/24/25	

Lt Oak 99 Comp A/C Basecoat

FORMALDEHYDE ...%		0.05-0.1%
CAS number: 50-00-0		EC number: 200-001-8
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 1B - H350 STOT SE 3 - H335		Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40 T;R23/24/25 C;R34 R43

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Keep affected person away from heat, sparks and flames.
Inhalation	Move affected person to fresh air at once. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Lt Oak 99 Comp A/C Basecoat

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Use explosion proof electric equipment.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

BUTYL ACETATE -norm

Long-term exposure limit (8-hour TWA): OES 150 ppm 724 mg/m³

Short-term exposure limit (15-minute): OES 200 ppm 966 mg/m³

ISO-BUTANOL

Long-term exposure limit (8-hour TWA): OES 50 ppm 154 mg/m³

Short-term exposure limit (15-minute): OES 75 ppm 231 mg/m³

ETHANOL

Long-term exposure limit (8-hour TWA): OES 1000 ppm 1920 mg/m³

Short-term exposure limit (15-minute): OES

xylene- mixture of isomers

Long-term exposure limit (8-hour TWA): OES 50 ppm(Sk) 220 mg/m³(Sk)

Short-term exposure limit (15-minute): OES 100 ppm(Sk) 441 mg/m³(Sk)

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): OES 100 ppm(Sk) 441 mg/m³(Sk)

Short-term exposure limit (15-minute): OES 125 ppm(Sk) 552 mg/m³(Sk)

METHANOL

Long-term exposure limit (8-hour TWA): OES 200 ppm(Sk) 266 mg/m³(Sk)

Short-term exposure limit (15-minute): OES 250 ppm(Sk) 333 mg/m³(Sk)

FORMALDEHYDE ...%

Long-term exposure limit (8-hour TWA): MEL 2 ppm 2.5 mg/m³

Short-term exposure limit (15-minute): MEL 2 ppm 2.5 mg/m³

Ingredient comments OES = Occupational Exposure Standard.

8.2. Exposure controls

Lt Oak 99 Comp A/C Basecoat

Protective equipment



Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Use protective gloves.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Flash point	< 21°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.7% M Upper flammable/explosive limit: 15% M

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid	Avoid heat. Avoid contact with the following materials: Oxidising agents. Reducing agents.
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10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	21,671.99
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Acute toxicity - dermal

ATE dermal (mg/kg)	26,702.32
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Acute toxicity - inhalation

Lt Oak 99 Comp A/C Basecoat

ATE inhalation (gases ppm) 83,427.52

ATE inhalation (vapours mg/l) 267.02

ATE inhalation (dusts/mists mg/l) 39.35

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion May cause discomfort if swallowed.

Skin contact Product has a defatting effect on skin. May cause allergic contact eczema.

Eye contact Irritating to eyes.

SECTION 12: Ecological information

Ecotoxicity Dangerous for the environment if discharged into watercourses.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1236

UN No. (IMDG) 1263

UN No. (ICAO) 1263

UN No. (ADN) 1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (IMDG) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ADN) PAINT OR PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

Lt Oak 99 Comp A/C Basecoat

ICAO class/division 3

ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

ADN packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS 3-05

ADR transport category 2

Emergency Action Code 3YE

Hazard Identification Number 33
(ADR/RID)

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Control of Substances Hazardous to Health Regulations 2002 (as amended).

Guidance Workplace Exposure Limits EH40.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 28/09/2016

Lt Oak 99 Comp A/C Basecoat

Risk phrases in full

R10 Flammable.
R11 Highly flammable.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R37/38 Irritating to respiratory system and skin.
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H350 May cause cancer.
H370 Causes damage to organs .
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.



SAFETY DATA SHEET

White 40% GI W/B Enamel

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name White 40% GI W/B Enamel

Product number 57589

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial wood coating.

1.3. Details of the supplier of the safety data sheet

Supplier Intercoat Industrial Paints Ltd
Bridgeman Street
Walsall
West Midlands WS2 9NW
01922 638821
01922 722952

1.4. Emergency telephone number

Emergency telephone 01384-858585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.

Supplemental label information EUH210 Safety data sheet available on request.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

BUTYL DI GLYCOL		1-5%
CAS number: 112-34-5	EC number: 203-961-6	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Eye Irrit. 2 - H319	-	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

White 40% GI W/B Enamel

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Chemical storage.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): OES 25 ppm(Sk)

Short-term exposure limit (15-minute): OES 50 ppm(Sk)

8.2. Exposure controls

White 40% GI W/B Enamel

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a suitable dust mask.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Initial boiling point and range 100°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation No specific health hazards known.

Ingestion May cause discomfort if swallowed.

Skin contact No specific health hazards known.

Eye contact Vapour or spray in the eyes may cause irritation and smarting.

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

White 40% GI W/B Enamel

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

Road transport notes Not classified.

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Guidance Workplace Exposure Limits EH40.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 01/04/2023

SDS number 54209

Risk phrases in full Not classified.
R10 Flammable.
R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full H319 Causes serious eye irritation.
EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.

SAFETY DATA SHEET

New Medium Oak W/B Stain

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name New Medium Oak W/B Stain

Product number 54112

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial wood coating.

1.3. Details of the supplier of the safety data sheet

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

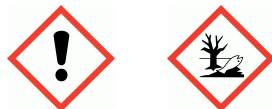
Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
P261 Avoid breathing vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see medical advice on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information EUH210 Safety data sheet available on request.

Contains C.I. Acid Yellow 220, METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

2.3. Other hazards

SECTION 3: Composition/information on ingredients

New Medium Oak W/B Stain

3.2. Mixtures

BUTYL DI GLYCOL		5-10%
CAS number: 112-34-5	EC number: 203-961-6	
Classification Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) -	
1-METHOXY-2-PROPANOL		5-10%
CAS number: 107-98-2	EC number: 203-539-1	
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC) R10	
1-ETHOXYPROPAN-2-OL		5-10%
CAS number: 1569-02-4	EC number: 216-374-5	
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC) R10 R67	
C.I. Acid Black 52		1-5%
CAS number: —		
Classification Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xi;R36.	
C.I. Acid Yellow 220		1-5%
CAS number: —		
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xi;R36.	
C.I. ACID Red 407		1-5%
CAS number: 72017-66-4	EC number: 276-292-0	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) N;R50/53.	

New Medium Oak W/B Stain

METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6		<0.05%
CAS number: 55965-84-9		
M factor (Acute) = 1		M factor (Chronic) = 1
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		Classification (67/548/EEC or 1999/45/EC) T;R23/24/25 C;R34 R43 N;R50/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

New Medium Oak W/B Stain

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Chemical storage.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

1-METHOXY-2-PROPANOL

Long-term exposure limit (8-hour TWA): OES 100 ppm(Sk) 375 mg/m³(Sk)

Short-term exposure limit (15-minute): OES 150 ppm(Sk) 560 mg/m³(Sk)

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a suitable dust mask.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Initial boiling point and range 100°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

New Medium Oak W/B Stain

Inhalation	No specific health hazards known.
Ingestion	May cause discomfort if swallowed.
Skin contact	No specific health hazards known.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting.

SECTION 12: Ecological information

Ecotoxicity	Not regarded as dangerous for the environment.
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12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
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SECTION 14: Transport information

Road transport notes	Not classified.
Rail transport notes	Not classified.
Sea transport notes	Not classified.
Air transport notes	Not classified.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Guidance	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date	06/04/2020
SDS number	50638

New Medium Oak W/B Stain

Risk phrases in full

Not classified.
R10 Flammable.
R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

High Gloss W/B Lacquer

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name High Gloss W/B Lacquer

Product number 52390

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial wood coating.

1.3. Details of the supplier of the safety data sheet

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

BUTYL DI GLYCOL		1-5%
CAS number: 112-34-5	EC number: 203-961-6	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Eye Irrit. 2 - H319	-	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Do not induce vomiting. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Skin contact Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

High Gloss W/B Lacquer

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Chemical storage.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate general and local exhaust ventilation.

Eye/face protection The following protection should be worn: Chemical splash goggles.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Hygiene measures Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a suitable dust mask.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Flash point This product does not sustain combustion.

9.2. Other information

Volatile organic compound This product contains a maximum VOC content of 76 g/l.

High Gloss W/B Lacquer

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation No specific health hazards known.

Ingestion May cause discomfort if swallowed.

Skin contact No specific health hazards known.

Eye contact Vapour or spray in the eyes may cause irritation and smarting.

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

Road transport notes Not classified.

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

High Gloss W/B Lacquer

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Guidance	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date	01/07/2022
SDS number	49010
Risk phrases in full	Not classified. R10 Flammable. R11 Highly flammable. R36 Irritating to eyes. R67 Vapours may cause drowsiness and dizziness.
Hazard statements in full	H319 Causes serious eye irritation. EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.

SAFETY DATA SHEET
Strong Cherry Naphtha Stain

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Strong Cherry Naphtha Stain
Product number 40684

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier In Emergency 01384-858585
Intercoat Paints Ltd
Bridgeman Street
Walsall
West Midlands WS2 9NW
01922 638821
01922 722952

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225
Health hazards Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335, H336
Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) Xn;R20. Xi;R36/37/38. F;R11. N;R51/53.

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Strong Cherry Naphtha Stain

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground/ bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/ doctor if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

Contains

1,2,4-TRIMETHYLBENZENE, LIGHT AROMATIC NAPHTHA, DIACETONE ALCOHOL Technical, PROPYLBENZENE

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

1,2,4-TRIMETHYLBENZENE		30-60%
CAS number: 95-63-6		EC number: 202-436-9
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411		Classification (67/548/EEC or 1999/45/EC) R10 Xn;R20 Xi;R36/37/38 N;R51/53
LIGHT AROMATIC NAPHTHA		30-60%
CAS number: 64742-95-6		EC number: 265-199-0
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Aquatic Chronic 2 - H411		Classification (67/548/EEC or 1999/45/EC) Xn;R65. Xi;R37. N;R51/53. R66,R67.

Strong Cherry Naphtha Stain

DIACETONE ALCOHOL Technical		10-30%
CAS number: 123-42-2		EC number: 204-626-7
Classification Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) Xi;R36. F;R11.	

PROPYLBENZENE		5-10%
CAS number: 103-65-1		EC number: 203-132-9
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) R10 Xn;R65 Xi;R37 N;R51/53	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Keep affected person away from heat, sparks and flames.
Inhalation	Move affected person to fresh air at once. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Strong Cherry Naphtha Stain

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Static electricity and formation of sparks must be prevented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

DIACETONE ALCOHOL Technical

Long-term exposure limit (8-hour TWA): OES 50 ppm 241 mg/m³

Short-term exposure limit (15-minute): OES 75 ppm 362 mg/m³

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Use protective gloves.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Strong Cherry Naphtha Stain

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid contact with the following materials: Acids. Oxidising agents.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - inhalation

ATE inhalation (gases ppm) 12,555.71

ATE inhalation (vapours mg/l) 30.69

ATE inhalation (dusts/mists mg/l) 4.19

Inhalation Harmful by inhalation. May cause respiratory system irritation.

Ingestion Harmful if swallowed.

Skin contact Harmful in contact with skin. Irritating to skin.

Eye contact Irritating to eyes.

Target organs Skin Eyes Respiratory system, lungs

SECTION 12: Ecological Information

Ecotoxicity Dangerous for the environment if discharged into watercourses.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

14.2. UN proper shipping name

Strong Cherry Naphtha Stain

Proper shipping name (ADR/RID) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (IMDG) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ADN) PAINT OR PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID label 3

IMDG class 3

ICAO class/division 3

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS 3-05

Emergency Action Code 3YE

Hazard Identification Number 33
(ADR/RID)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Guidance Workplace Exposure Limits EH40.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

SECTION 16: Other information

Strong Cherry Naphtha Stain

Risk phrases in full

R10 Flammable.
R11 Highly flammable.
R20 Harmful by inhalation.
R36 Irritating to eyes.
R36/37/38 Irritating to eyes, respiratory system and skin.
R37 Irritating to respiratory system.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.



SAFETY DATA SHEET ASH PIGMENTED NAPHTHA STAIN

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name ASH PIGMENTED NAPHTHA STAIN

Product number 42106

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial wood coating.

1.3. Details of the supplier of the safety data sheet

Supplier In Emergency 01384-858585
Intercoat Paints Ltd
Bridgeman Street
Walsall
West Midlands WS2 9NW
01922 638821
01922 722952

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335

Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) Xi;R36/37. F;R11. N;R51/53. R67.

2.2. Label elements

Pictogram



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

ASH PIGMENTED NAPHTHA STAIN

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground/ bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing vapour/ spray.

P264 Wash contaminated skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/ doctor if you feel unwell.

P321 Specific treatment (see medical advice on this label).

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P337+P313 If eye irritation persists: Get medical advice/ attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P391 Collect spillage.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/ container in accordance with national regulations.

Contains

1,2,4-TRIMETHYLBENZENE, LIGHT AROMATIC NAPHTHA, DIACETONE ALCOHOL
Technical, PROPYLBENZENE

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

1,2,4-TRIMETHYLBENZENE		10-30%
CAS number: 95-63-6		EC number: 202-436-9
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411		Classification (67/548/EEC or 1999/45/EC) R10 Xn;R20 Xi;R36/37/38 N;R51/53

ASH PIGMENTED NAPHTHA STAIN

LIGHT AROMATIC NAPHTHA		10-30%
CAS number: 64742-95-6 EC number: 265-199-0		
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn;R65. Xi;R37. N;R51/53. R66,R67.	
DIACETONE ALCOHOL Technical		10-30%
CAS number: 123-42-2 EC number: 204-626-7		
Classification Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) Xi;R36. F;R11.	
2-METHOXY-1-METHYLETHYL ACETATE		5-10%
CAS number: 108-65-6 EC number: 203-603-9		
Classification Flam. Liq. 3 - H226	Classification (67/548/EEC or 1999/45/EC) R10 Xi;R36	
PROPYLBENZENE		1-5%
CAS number: 103-65-1 EC number: 203-132-9		
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) R10 Xn;R65 Xi;R37 N;R51/53	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Keep affected person away from heat, sparks and flames.
Inhalation	Move affected person to fresh air at once. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

ASH PIGMENTED NAPHTHA STAIN

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Static electricity and formation of sparks must be prevented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

DIACETONE ALCOHOL Technical

Long-term exposure limit (8-hour TWA): OES 50 ppm 241 mg/m³

Short-term exposure limit (15-minute): OES 75 ppm 362 mg/m³

2-METHOXY-1-METHYLETHYL ACETATE

Long-term exposure limit (8-hour TWA): OES 50 ppm(Sk) 274 mg/m³(Sk)

Short-term exposure limit (15-minute): OES 100 ppm(Sk) 548 mg/m³(Sk)

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

ASH PIGMENTED NAPHTHA STAIN

Hand protection	Use protective gloves.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures	Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid contact with the following materials: Acids. Oxidising agents.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - inhalation

ATE inhalation (gases ppm) 26,775.34

ATE inhalation (vapours mg/l) 65.45

ATE inhalation (dusts/mists mg/l) 8.93

General information Known or suspected teratogen.

Inhalation Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Ingestion Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact Product has a defatting effect on skin. May cause allergic contact eczema.

Eye contact Irritating to eyes.

Target organs Skin Eyes Respiratory system, lungs

SECTION 12: Ecological Information

ASH PIGMENTED NAPHTHA STAIN

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (IMDG) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ADN) PAINT OR PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID label 3

IMDG class 3

ICAO class/division 3

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

ASH PIGMENTED NAPHTHA STAIN

EmS 3-05

Emergency Action Code 3YE

Hazard Identification Number 33
(ADR/RID)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Guidance Workplace Exposure Limits EH40.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 01/11/2016

Risk phrases in full

- R10 Flammable.
- R11 Highly flammable.
- R20 Harmful by inhalation.
- R22 Harmful if swallowed.
- R36 Irritating to eyes.
- R36/37 Irritating to eyes and respiratory system.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R37 Irritating to respiratory system.
- R37/38 Irritating to respiratory system and skin.
- R41 Risk of serious damage to eyes.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

58990 - W/B Gloss Casket Lacquer

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 58990 - W/B Gloss Casket Lacquer
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
The product is not classified as hazardous according to GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Hazard statements:
Not relevant
Precautionary statements:
Not relevant
Supplementary information:
EUH208: Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210: Safety data sheet available on request.
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Not relevant
- 3.2 Mixture:**
Chemical description: Aqueous mixture composed of additives and acrylic resin
Components:
In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 111-76-2 EC: 203-905-0 REACH: 01-2119475108-36-XXXX	2-butoxyethanol Acute Tox. 4: H302+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	 2.5 - <10%
CAS: 2634-33-5 EC: 220-120-9 REACH: 01-2120761540-60-XXXX	1,2-benzisothiazol-3(2H)-one Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	 <1%

- CONTINUED ON NEXT PAGE -

58990 - W/B Gloss Casket Lacquer

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration
CAS: 55965-84-9 EC: Not relevant	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	<1% 

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral 1200 mg/kg LD50 dermal Not relevant LC50 inhalation vapour 11 mg/L	Rat

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

- CONTINUED ON NEXT PAGE -

58990 - W/B Gloss Casket Lacquer

SECTION 5: FIREFIGHTING MEASURES (continued)

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
2-butoxyethanol ⁽¹⁾ CAS: 111-76-2	WEL (8h)	25 ppm	123 mg/m ³
	WEL (15 min)	50 ppm	246 mg/m ³

⁽¹⁾ Skin

Biological limit values:

BIOLOGICAL MONITORING GUIDANCE VALUES (BMGVs) - EH40/2005

Identification	NULL	NULL	NULL
2-butoxyethanol CAS: 111-76-2	280 mg/g (Creatinine)	Butoxyacetic acid in urine	Post shift

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	89 mg/kg	Not relevant	125 mg/kg	Not relevant
	Inhalation	1091 mg/m ³	246 mg/m ³	98 mg/m ³	Not relevant
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.966 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	6.81 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	6.3 mg/kg	Not relevant
	Dermal	89 mg/kg	Not relevant	75 mg/kg	Not relevant
	Inhalation	426 mg/m ³	147 mg/m ³	59 mg/m ³	Not relevant
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.345 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1.2 mg/m ³	Not relevant

PNEC:

Identification				
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	STP	463 mg/L	Fresh water	8.8 mg/L
	Soil	2.33 mg/kg	Marine water	0.88 mg/L
	Intermittent	26.4 mg/L	Sediment (Fresh water)	34.6 mg/kg
	Oral	0.02 g/kg	Sediment (Marine water)	3.46 mg/kg
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	STP	1.03 mg/L	Fresh water	0.00403 mg/L
	Soil	3 mg/kg	Marine water	0.000403 mg/L
	Intermittent	0.0011 mg/L	Sediment (Fresh water)	0.0499 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.00499 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

58990 - W/B Gloss Casket Lacquer

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
	Work clothing	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	7 % weight
V.O.C. density at 20 °C:	73.25 kg/m ³ (73.25 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	Not relevant *
Odour:	Not relevant *
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	100 - 229 °C
Vapour pressure at 20 °C:	2313 Pa
Vapour pressure at 50 °C:	12188.18 Pa (12.19 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1046.4 kg/m ³
Relative density at 20 °C:	1.046
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	79 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	189 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

58990 - W/B Gloss Casket Lacquer

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: 2-butoxyethanol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- CONTINUED ON NEXT PAGE -

58990 - W/B Gloss Casket Lacquer

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral	1200 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour	11 mg/L	
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral	490 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation dust		
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	Rat
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation mist	0.33 mg/L (4 h)	Rat

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-butoxyethanol CAS: 111-76-2	LC50	1490 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	1815 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5	LC50	2.18 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	2.9 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.11 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LC50	0.28 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	0.16 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.027 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
2-butoxyethanol CAS: 111-76-2	NOEC	100 mg/L	Danio rerio	Fish
	NOEC	100 mg/L	Daphnia magna	Crustacean

- CONTINUED ON NEXT PAGE -

58990 - W/B Gloss Casket Lacquer

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration	Species	Genus
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NOEC >0.001 - 0.01 mg/L		Fish
	NOEC >0.001 - 0.01 mg/L		Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability	Biodegradability
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BOD5 0.71 g O ₂ /g COD 2.2 g O ₂ /g BOD5/COD 0.32	Concentration 100 mg/L Period 14 days % Biodegradable 96 %
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BOD5 Not relevant COD Not relevant BOD5/COD Not relevant	Concentration 1 mg/L Period 63 days % Biodegradable 85 %
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BOD5 Not relevant COD Not relevant BOD5/COD Not relevant	Concentration 0.3 mg/L Period 29 days % Biodegradable 38.8 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BCF 3 Pow Log 0.83 Potential Low
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BCF 7 Pow Log 0.7 Potential Low
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BCF 54 Pow Log 0.75 Potential Moderate

12.4 Mobility in soil:

Identification	Absorption/desorption	Volatility
2-butoxyethanol CAS: 111-76-2	Koc 8 Conclusion Very High Surface tension 2.729E-2 N/m (25 °C)	Henry 1.621E-1 Pa·m ³ /mol Dry soil Not relevant Moist soil Yes
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5	Koc 9.33 Conclusion Very High Surface tension Not relevant	Henry Not relevant Dry soil Not relevant Moist soil Not relevant
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	Koc Not relevant Conclusion Not relevant Surface tension Not relevant	Henry 5E-3 Pa·m ³ /mol Dry soil Not relevant Moist soil Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

- CONTINUED ON NEXT PAGE -

58990 - W/B Gloss Casket Lacquer

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

HP6 Acute Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Not relevant

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.
Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Not relevant

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

14th August 2026

Unit 2 Earlsfield Park, Prescott – Ref: 26/00189/FUL: Response to Knowsley Council Environmental Health and Consumer Protection Service
Consultation Response

Page 12 of 13

Reference: 333102819/A5/TC

Appendix F – Filter specification sheet

Starter

The Andreae Starter is a low intensity filter intended for least demanding spray booth operations. Developed with the same expectation level as the Original Andreae filters, the Starter is made out of 2 layers of "kraft" paper, punched, pleated and glued together. This product is ideal for a casual use of the spray booth and a great way to start with the Andreae range.



Andreae Design

Performances

Load	Efficiency	
▼▼▼▼▼	▼▼▼▼▼	Lacquers
▼▼▼▼▼	▼▼▼▼▼	High Solids
▼▼▼▼▼	▼▼▼▼▼	Polyester Bi-Components

	10m2	H75 cm	H90 cm	H90 cm (10yd²)	H100 cm
Brown	EF701	EF901	EF801	EF101	
White	EF703	EF903	EF803	EF103	
Flame Retardant	EF702	EF902	EF802	EF102	

Load [kg/m2]		
Lacquers 10 kg / m2	High Solids 15 kg / m2	Polyester 18 kg / m2
Efficiency [%]		
Lacquers 90 %	High Solids 97 %	Polyester 98.1 %
Recommended Air Velocity:		
0.5 to 1 m/s		
Pressure drop at / by:		
0.5 m/s 20 pa	0.75 m/s 30 pa	1.0 m/s 40 pa
Max. recommended pressure drop:		
128 pa (possible up to 256)		

14th August 2026

Unit 2 Earlsfield Park, Prescott – Ref: 26/00189/FUL: Response to Knowsley Council Environmental Health and Consumer Protection Service
Consultation Response

Page 13 of 13

Reference: 333102819/A5/TC

Appendix G – Paint supplier safety sheets



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 00960 - Black Gloss A/C Enamel
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Acute Tox. 4: Acute toxicity, Category 4, H312+H332
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Asp. Tox. 1: Aspiration hazard, Category 1, H304
Eye Dam. 1: Serious eye damage, Category 1, H318
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Irrit. 2: Skin irritation, Category 2, H315
STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Danger



Hazard statements:

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Dam. 1: H318 - Causes serious eye damage.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Irrit. 2: H315 - Causes skin irritation.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Precautionary statements:

- CONTINUED ON NEXT PAGE -



SECTION 2: HAZARDS IDENTIFICATION (continued)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

Supplementary information:

EUH208: Contains Formaldehyde. May produce an allergic reaction.

Substances that contribute to the classification

Xylene; 2-methylpropan-1-ol; 2-methoxy-1-methylethyl acetate; butan-1-ol

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Mixture composed of additives and resins in solvents

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 1330-20-7 EC: 215-535-7 REACH: 01-2119488216-32-XXXX	Xylene Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger	 25 - <50%
CAS: 68002-18-6 EC: Not relevant REACH: Not relevant	Urea, polymer with formaldehyde, isobutylated Aquatic Chronic 4: H413	10 - <25%
CAS: 78-83-1 EC: 201-148-0 REACH: 01-2119484609-23-XXXX	2-methylpropan-1-ol Eye Dam. 1: H318; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger	 2.5 - <10%
CAS: 108-65-6 EC: 203-603-9 REACH: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	 2.5 - <10%
CAS: 71-36-3 EC: 200-751-6 REACH: 01-2119484630-38-XXXX	butan-1-ol Acute Tox. 4: H302; Eye Dam. 1: H318; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger	 2.5 - <10%
CAS: 1333-86-4 EC: 215-609-9 REACH: 01-2119384822-32-XXXX	Carbon black Carc. 2: H351 - Warning	 1 - <2.5%
CAS: 50-00-0 EC: 200-001-8 REACH: 01-2119488953-20-XXXX	Formaldehyde Acute Tox. 2: H330; Acute Tox. 4: H302; Carc. 1B: H350; Muta. 2: H341; Skin Corr. 1B: H314; Skin Sens. 1A: H317; EUH071 - Danger	 <1%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Acute toxicity		Genus
butan-1-ol CAS: 71-36-3 EC: 200-751-6	LD50 oral	800 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	Not relevant	
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	Not relevant	
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	
Formaldehyde CAS: 50-00-0 EC: 200-001-8	LD50 oral	500 mg/kg	
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	0.5 mg/L *	

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the affected person from the area of exposure, provide them with fresh air, and keep them at rest. In severe cases such as cardiorespiratory arrest, administer artificial respiration techniques if properly trained (CPR, oxygen provision, etc.) and seek immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

- CONTINUED ON NEXT PAGE -

**SECTION 5: FIREFIGHTING MEASURES (continued)****Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

- CONTINUED ON NEXT PAGE -



SECTION 7: HANDLING AND STORAGE (continued)

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
Xylene ⁽¹⁾ CAS: 1330-20-7	WEL (8h)	50 ppm	220 mg/m ³
	WEL (15 min)	100 ppm	441 mg/m ³
2-methylpropan-1-ol CAS: 78-83-1	WEL (8h)	50 ppm	154 mg/m ³
	WEL (15 min)	75 ppm	231 mg/m ³
2-methoxy-1-methylethyl acetate ⁽¹⁾ CAS: 108-65-6	WEL (8h)	50 ppm	274 mg/m ³
	WEL (15 min)	100 ppm	548 mg/m ³
butan-1-ol CAS: 71-36-3	WEL (8h)		
	WEL (15 min)	50 ppm	154 mg/m ³
Carbon black CAS: 1333-86-4	WEL (8h)		3.5 mg/m ³
	WEL (15 min)		7 mg/m ³
Formaldehyde ⁽²⁾ CAS: 50-00-0	WEL (8h)	2 ppm	2.5 mg/m ³
	WEL (15 min)	2 ppm	2.5 mg/m ³

⁽¹⁾ Skin

⁽²⁾ Dermal sensitisation

Biological limit values:

BIOLOGICAL MONITORING GUIDANCE VALUES (BMGVs) - EH40/2005

Identification	NULL	NULL	NULL
Xylene CAS: 1330-20-7	1030 mg/g (Creatinine)	Methyl hippuric acid in urine	Post shift

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Xylene CAS: 1330-20-7 EC: 215-535-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	212 mg/kg	Not relevant
	Inhalation	442 mg/m ³	442 mg/m ³	221 mg/m ³	221 mg/m ³
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	310 mg/m ³
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	796 mg/kg	Not relevant
	Inhalation	Not relevant	550 mg/m ³	275 mg/m ³	Not relevant
butan-1-ol CAS: 71-36-3 EC: 200-751-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	310 mg/m ³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Formaldehyde CAS: 50-00-0 EC: 200-001-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	240 mg/kg	Not relevant
	Inhalation	Not relevant	0.75 mg/m ³	9 mg/m ³	0.375 mg/m ³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Xylene CAS: 1330-20-7 EC: 215-535-7	Oral	Not relevant	Not relevant	12.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	125 mg/kg	Not relevant
	Inhalation	260 mg/m ³	260 mg/m ³	65.3 mg/m ³	65.3 mg/m ³
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	55 mg/m ³
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	Oral	Not relevant	Not relevant	36 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	320 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	33 mg/m ³	33 mg/m ³
butan-1-ol CAS: 71-36-3 EC: 200-751-6	Oral	Not relevant	Not relevant	1.562 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	3.125 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	55.357 mg/m ³	155 mg/m ³
Formaldehyde CAS: 50-00-0 EC: 200-001-8	Oral	Not relevant	Not relevant	4.1 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	102 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3.2 mg/m ³	0.1 mg/m ³

PNEC:

Identification					
Xylene CAS: 1330-20-7 EC: 215-535-7	STP	6.58 mg/L	Fresh water	0.327 mg/L	
	Soil	2.31 mg/kg	Marine water	0.327 mg/L	
	Intermittent	0.327 mg/L	Sediment (Fresh water)	12.46 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	12.46 mg/kg	
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	STP	10 mg/L	Fresh water	0.4 mg/L	
	Soil	0.076 mg/kg	Marine water	0.04 mg/L	
	Intermittent	11 mg/L	Sediment (Fresh water)	1.56 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.156 mg/kg	
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	STP	100 mg/L	Fresh water	0.635 mg/L	
	Soil	0.29 mg/kg	Marine water	0.064 mg/L	
	Intermittent	6.35 mg/L	Sediment (Fresh water)	3.29 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.329 mg/kg	
butan-1-ol CAS: 71-36-3 EC: 200-751-6	STP	2476 mg/L	Fresh water	0.082 mg/L	
	Soil	0.017 mg/kg	Marine water	0.008 mg/L	
	Intermittent	2.25 mg/L	Sediment (Fresh water)	0.324 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.032 mg/kg	
Formaldehyde CAS: 50-00-0 EC: 200-001-8	STP	0.19 mg/L	Fresh water	0.44 mg/L	
	Soil	0.2 mg/kg	Marine water	0.44 mg/L	
	Intermittent	4.44 mg/L	Sediment (Fresh water)	2.3 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	2.3 mg/kg	

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	47.87 % weight
V.O.C. density at 20 °C:	467.48 kg/m ³ (467.48 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	According to the markings on the package
Odour:	Solvent
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	108 - 4200 °C
Vapour pressure at 20 °C:	994 Pa
Vapour pressure at 50 °C:	5352.97 Pa (5.35 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	976.7 kg/m ³
Relative density at 20 °C:	0.977
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	<=20.5 mm ² /s
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	28 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	315 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.
IARC: Xylene (3: Not classifiable as to its carcinogenicity to humans); Formaldehyde (1: Carcinogenic to humans); Carbon black (2B: Possibly carcinogenic to humans)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

F- Specific target organ toxicity (STOT) - single exposure:

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

May be fatal if swallowed and enters airways.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
butan-1-ol CAS: 71-36-3 EC: 200-751-6	LD50 oral	800 mg/kg	Rat
	LD50 dermal	3430 mg/kg	Rabbit
	LC50 inhalation vapour	24 mg/L (4 h)	Rat
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	3523 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	LD50 oral	3350 mg/kg	Rat
	LD50 dermal	2460 mg/kg	Rabbit
	LC50 inhalation vapour	24.6 mg/L (4 h)	Rat
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	LD50 oral	8532 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rat
	LC50 inhalation vapour	30 mg/L (4 h)	Rat
Formaldehyde CAS: 50-00-0 EC: 200-001-8	LD50 oral	500 mg/kg	
	LD50 dermal		
	LC50 inhalation gases	100 mg/L	

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Xylene CAS: 1330-20-7	LC50	Not relevant		
	EC50	10.389 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Not relevant		
2-methylpropan-1-ol CAS: 78-83-1	LC50	2030 mg/L (96 h)	Carassius auratus	Fish
	EC50	1439 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1250 mg/L (48 h)	Scenedesmus subspicatus	Algae
2-methoxy-1-methylethyl acetate CAS: 108-65-6	LC50	161 mg/L (96 h)	Pimephales promelas	Fish
	EC50	481 mg/L (48 h)	Daphnia sp.	Crustacean
	EC50	Not relevant		

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
butan-1-ol CAS: 71-36-3	LC50	1740 mg/L (96 h)	Pimephales promelas	Fish
	EC50	1983 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	500 mg/L (96 h)	Scenedesmus subspicatus	Algae
Carbon black CAS: 1333-86-4	LC50	1000 mg/L (96 h)	Brachydanio rerio	Fish
	EC50	5600 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	Not relevant		

Chronic toxicity:

Identification	Concentration		Species	Genus
2-methylpropan-1-ol CAS: 78-83-1	NOEC	Not relevant		
	NOEC	20 mg/L	Daphnia magna	Crustacean
2-methoxy-1-methylethyl acetate CAS: 108-65-6	NOEC	47.5 mg/L	Oryzias latipes	Fish
	NOEC	100 mg/L	Daphnia magna	Crustacean
butan-1-ol CAS: 71-36-3	NOEC	Not relevant		
	NOEC	4.1 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Xylene CAS: 1330-20-7 EC: 215-535-7	BOD5	Not relevant	Concentration	16 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	94 %
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	BOD5	0.4 g O2/g	Concentration	100 mg/L
	COD	2.41 g O2/g	Period	14 days
	BOD5/COD	0.17	% Biodegradable	90 %
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	BOD5	Not relevant	Concentration	785 mg/L
	COD	Not relevant	Period	8 days
	BOD5/COD	Not relevant	% Biodegradable	100 %
butan-1-ol CAS: 71-36-3 EC: 200-751-6	BOD5	1.71 g O2/g	Concentration	Not relevant
	COD	2.46 g O2/g	Period	19 days
	BOD5/COD	0.7	% Biodegradable	98 %
Formaldehyde CAS: 50-00-0 EC: 200-001-8	BOD5	Not relevant	Concentration	10 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	99 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Xylene CAS: 1330-20-7 EC: 215-535-7	BCF	26
	Pow Log	3.16
	Potential	Low
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	BCF	3
	Pow Log	0.76
	Potential	Low
2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9	BCF	1
	Pow Log	0.43
	Potential	Low
butan-1-ol CAS: 71-36-3 EC: 200-751-6	BCF	1
	Pow Log	0.88
	Potential	Low
Formaldehyde CAS: 50-00-0 EC: 200-001-8	BCF	0
	Pow Log	0.35
	Potential	Low

12.4 Mobility in soil:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
Xylene CAS: 1330-20-7	Koc	537	Henry	623 Pa·m ³ /mol
	Conclusion	Moderate	Dry soil	Yes
	Surface tension	Not relevant	Moist soil	Yes
2-methylpropan-1-ol CAS: 78-83-1	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	2.378E-2 N/m (25 °C)	Moist soil	Not relevant
butan-1-ol CAS: 71-36-3	Koc	2.44	Henry	5.39E-2 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.567E-2 N/m (25 °C)	Moist soil	Yes
Formaldehyde CAS: 50-00-0	Koc	15.9	Henry	3.4E-2 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	Not relevant	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP14 Ecotoxic, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP3 Flammable, HP6 Acute Toxicity, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2025 and RID 2025:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by sea:

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SECTION 14: TRANSPORT INFORMATION (continued)

With regard to IMDG 42-24:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
 Labels: 3
14.4 Packing group: III
14.5 Marine pollutant: No
14.6 Special precautions for user
 Special regulations: 223, 955, 163, 367
 EmS Codes: F-E, S-E
 Physico-Chemical properties: see section 9
 Limited quantities: 5 L
 Segregation group: Not relevant
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2026:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
 Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
 Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000.000	50000.000

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

1. Shall not be placed on the market in articles, after 6 August 2026, if, under the test conditions specified in Appendix 14, the concentration of formaldehyde released from those articles exceeds:

- (a) 0,062 mg/m³ for furniture and wood-based articles
- (b) 0,080 mg/m³ for articles other than furniture and wood-based articles.

The first subparagraph shall not apply to:

- (a) articles in which formaldehyde or formaldehyde releasing substances are exclusively naturally present in the materials from which the articles are produced
- (b) articles that are exclusively for outdoor use under foreseeable conditions
- (c) articles in constructions, that are exclusively used outside the building shell and vapour barrier and that do not emit formaldehyde into indoor air
- (d) articles exclusively for industrial or professional use unless formaldehyde released from them leads to exposure of the general

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SECTION 15: REGULATORY INFORMATION (continued)

- public under foreseeable conditions of use
(e) articles for which the restriction laid down in entry 72 applies
(f) articles that are biocidal products within the scope of Regulation (EU) No 528/2012 of the European Parliament and of the Council
(g) devices within the scope of Regulation (EU) 2017/745
(h) personal protective equipment within the scope of Regulation (EU) 2016/425
(i) articles intended to come into contact directly or indirectly with food within the scope of Regulation (EC) No 1935/2004
(j) second-hand articles.
2. Shall not be placed on the market in road vehicles after 6 August 2027 if, under the test conditions specified in Appendix 14, the concentration of formaldehyde in the interior of those vehicles exceeds 0,062 mg/m³.
The first subparagraph shall not apply to:
(a) road vehicles exclusively for industrial or professional use unless the concentration of formaldehyde in the interior of those vehicles leads to exposure of the general public under foreseeable conditions of use
(b) second-hand vehicles.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.
Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H412: Harmful to aquatic life with long lasting effects.
H312+H332: Harmful in contact with skin or if inhaled.
H304: May be fatal if swallowed and enters airways.
H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H330 - Fatal if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Carc. 1B: H350 - May cause cancer.
Carc. 2: H351 - Suspected of causing cancer.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

- CONTINUED ON NEXT PAGE -



SECTION 16: OTHER INFORMATION (continued)

Skin Irrit. 2: Calculation method
Eye Dam. 1: Calculation method
STOT SE 3: Calculation method
STOT SE 3: Calculation method
Aquatic Chronic 3: Calculation method
Acute Tox. 4: Calculation method
Asp. Tox. 1: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 08670 - Acid Catalyst
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 2: Flammable liquids, Category 2, H225
Skin Irrit. 2: Skin irritation, Category 2, H315
STOT SE 2: Specific target organ toxicity — single exposure, Category 2, H371

2.2 Label elements:

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Danger



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Skin Irrit. 2: H315 - Causes skin irritation.
STOT SE 2: H371 - May cause damage to organs.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

Substances that contribute to the classification

methanol

2.3 Other hazards:

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Mixture composed of chemical products

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX	ethanol Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	75 - <100%
CAS: 104-15-4 EC: 203-180-0 REACH: 01-2119538811-39-XXXX	p-toluenesulphonic acid (containing a maximum of 5 % H2SO4) Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	10 - <25%
CAS: 67-56-1 EC: 200-659-6 REACH: 01-2119433307-44-XXXX	methanol Acute Tox. 3: H301+H311+H331; Flam. Liq. 2: H225; STOT SE 1: H370 - Danger	2.5 - <10%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
methanol CAS: 67-56-1 EC: 200-659-6	LD50 oral	100 mg/kg
	LD50 dermal	300 mg/kg
	LC50 inhalation vapour	3 mg/L

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product. Induce vomiting (ONLY IF PERSON IS CONSCIOUS!) and then ingest large quantities of liquid to dilute the toxin. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

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**SECTION 5: FIREFIGHTING MEASURES (continued)****5.1 Extinguishing media:****Suitable extinguishing media:**

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

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SECTION 7: HANDLING AND STORAGE (continued)

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
	WEL (8h)	1000 ppm	1920 mg/m ³
ethanol CAS: 64-17-5	WEL (15 min)		
methanol ⁽¹⁾ CAS: 67-56-1	WEL (8h)	200 ppm	266 mg/m ³
	WEL (15 min)	250 ppm	333 mg/m ³

⁽¹⁾ Skin

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	380 mg/m ³	Not relevant
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄) CAS: 104-15-4 EC: 203-180-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	7.6 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	53.6 mg/m ³	Not relevant
methanol CAS: 67-56-1 EC: 200-659-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	20 mg/kg	Not relevant	20 mg/kg	Not relevant
	Inhalation	130 mg/m ³	130 mg/m ³	130 mg/m ³	130 mg/m ³

DNEL (General population):

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	114 mg/m ³	Not relevant
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄) CAS: 104-15-4 EC: 203-180-0	Oral	Not relevant	Not relevant	2.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	2.5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	8.7 mg/m ³	Not relevant
methanol CAS: 67-56-1 EC: 200-659-6	Oral	4 mg/kg	Not relevant	4 mg/kg	Not relevant
	Dermal	4 mg/kg	Not relevant	4 mg/kg	Not relevant
	Inhalation	26 mg/m ³	26 mg/m ³	26 mg/m ³	26 mg/m ³

PNEC:

Identification					
ethanol CAS: 64-17-5 EC: 200-578-6	STP	580 mg/L	Fresh water	0.96 mg/L	
	Soil	0.63 mg/kg	Marine water	0.79 mg/L	
	Intermittent	2.75 mg/L	Sediment (Fresh water)	3.6 mg/kg	
	Oral	0.38 g/kg	Sediment (Marine water)	2.9 mg/kg	
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄) CAS: 104-15-4 EC: 203-180-0	STP	58 mg/L	Fresh water	0.073 mg/L	
	Soil	0.016 mg/kg	Marine water	0.007 mg/L	
	Intermittent	0.73 mg/L	Sediment (Fresh water)	0.058 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.006 mg/kg	
methanol CAS: 67-56-1 EC: 200-659-6	STP	100 mg/L	Fresh water	20.8 mg/L	
	Soil	100 mg/kg	Marine water	2.08 mg/L	
	Intermittent	1540 mg/L	Sediment (Fresh water)	77 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	7.7 mg/kg	

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

In accordance with the order of importance to control professional exposure it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: AX)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.5 mm)	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	81.48 % weight
V.O.C. density at 20 °C:	691.2 kg/m ³ (691.2 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	Colourless
Odour:	Alcohol
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	65 - 337 °C
Vapour pressure at 20 °C:	6803 Pa
Vapour pressure at 50 °C:	31627.41 Pa (31.63 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	848.3 kg/m ³
Relative density at 20 °C:	0.848

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Dynamic viscosity at 20 °C:	1.59 mPa·s
Kinematic viscosity at 20 °C:	1.87 mm ² /s
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	19 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	423 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

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**SECTION 10: STABILITY AND REACTIVITY (continued)****10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Causes serious eye irritation.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: ethanol (1: Carcinogenic to humans); sulphuric acid (1: Carcinogenic to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Harmful effects for health in the case of ingestion, contact with the skin or inhalation after a single exposure, resulting in depression of the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion and, in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
ethanol CAS: 64-17-5 EC: 200-578-6	LD50 oral	6200 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour	124.7 mg/L (4 h)	Rat
methanol CAS: 67-56-1 EC: 200-659-6	LD50 oral	100 mg/kg	
	LD50 dermal	300 mg/kg	
	LC50 inhalation vapour	3 mg/L	

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect.
For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ethanol CAS: 64-17-5	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄) CAS: 104-15-4	LC50	60 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	Not relevant		
	EC50	245 mg/L (24 h)	Chlorella vulgaris	Algae
methanol CAS: 67-56-1	LC50	15400 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	Not relevant		
	EC50	Not relevant		

Chronic toxicity:

Identification	Concentration		Species	Genus
ethanol CAS: 64-17-5	NOEC	250 mg/L	Danio rerio	Fish
	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
ethanol CAS: 64-17-5 EC: 200-578-6	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	14 days
	BOD5/COD	Not relevant	% Biodegradable	89 %
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄) CAS: 104-15-4 EC: 203-180-0	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	21 days
	BOD5/COD	Not relevant	% Biodegradable	93 %
methanol CAS: 67-56-1 EC: 200-659-6	BOD5	1236 g O ₂ /g	Concentration	Not relevant
	COD	Not relevant	Period	Not relevant
	BOD5/COD	Not relevant	% Biodegradable	Not relevant

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
ethanol CAS: 64-17-5 EC: 200-578-6	BCF	3
	Pow Log	-0.31
	Potential	Low

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄)	BCF	0.2
CAS: 104-15-4	Pow Log	-0.62
EC: 203-180-0	Potential	Low
methanol	BCF	
CAS: 67-56-1	Pow Log	-0.77
EC: 200-659-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
ethanol	Koc	1	Henry	4.61E-1 Pa·m ³ /mol
CAS: 64-17-5	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.339E-2 N/m (25 °C)	Moist soil	Yes
methanol	Koc	Not relevant	Henry	4.61E-1 Pa·m ³ /mol
CAS: 67-56-1	Conclusion	Not relevant	Dry soil	Yes
	Surface tension	2.355E-2 N/m (25 °C)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2025 and RID 2025:



SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Environmental hazards: No
14.6 Special precautions for user
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 42-24:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: 367, 163
EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Not relevant
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2026:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Environmental hazards: No
14.6 Special precautions for user
Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000.000	50000.000

- CONTINUED ON NEXT PAGE -



SECTION 15: REGULATORY INFORMATION (continued)

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: Contains sulphuric acid. Product under the provisions of Article 9. However, products that contain explosives precursors only to such a small extent and in such complex mixtures that the extraction of the explosives precursors is technically extremely difficult should be excluded from the scope of this Regulation.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.

H371: May cause damage to organs.

H315: Causes skin irritation.

H225: Highly flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Skin Irrit. 2: H315 - Causes skin irritation.

STOT SE 1: H370 - Causes damage to organs.

STOT SE 3: H335 - May cause respiratory irritation.

Classification procedure:

Eye Irrit. 2: Calculation method

STOT SE 2: Calculation method

Skin Irrit. 2: Calculation method

Flam. Liq. 2: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:



SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

INTERCOAT
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The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 13900 - Acid Catalyst For H/S
- Other means of identification:**
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 2: Flammable liquids, Category 2, H225
Skin Irrit. 2: Skin irritation, Category 2, H315
STOT SE 2: Specific target organ toxicity — single exposure, Category 2, H371

2.2 Label elements:

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Danger



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Skin Irrit. 2: H315 - Causes skin irritation.
STOT SE 2: H371 - May cause damage to organs.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

Substances that contribute to the classification

methanol

2.3 Other hazards:

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

- CONTINUED ON NEXT PAGE -



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Mixture composed of chemical products

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX	ethanol Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	75 - <100%
CAS: 104-15-4 EC: 203-180-0 REACH: 01-2119538811-39-XXXX	p-toluenesulphonic acid (containing a maximum of 5 % H2SO4) Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	10 - <25%
CAS: 67-56-1 EC: 200-659-6 REACH: 01-2119433307-44-XXXX	methanol Acute Tox. 3: H301+H311+H331; Flam. Liq. 2: H225; STOT SE 1: H370 - Danger	2.5 - <10%
CAS: 7664-93-9 EC: 231-639-5 REACH: 01-2119458838-20-XXXX	sulphuric acid Skin Corr. 1A: H314 - Danger	1 - <2.5%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
methanol CAS: 67-56-1 EC: 200-659-6	LD50 oral 100 mg/kg	
	LD50 dermal 300 mg/kg	
	LC50 inhalation vapour 3 mg/L	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product. Induce vomiting (ONLY IF PERSON IS CONSCIOUS!) and then ingest large quantities of liquid to dilute the toxin. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

- CONTINUED ON NEXT PAGE -



SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

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SECTION 7: HANDLING AND STORAGE (continued)

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
ethanol CAS: 64-17-5	WEL (8h)	1000 ppm	1920 mg/m ³
	WEL (15 min)		
methanol ⁽¹⁾ CAS: 67-56-1	WEL (8h)	200 ppm	266 mg/m ³
	WEL (15 min)	250 ppm	333 mg/m ³
sulphuric acid CAS: 7664-93-9	WEL (8h)		0.05 mg/m ³
	WEL (15 min)		

⁽¹⁾ Skin

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	380 mg/m ³	Not relevant
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄) CAS: 104-15-4 EC: 203-180-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	7.6 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	53.6 mg/m ³	Not relevant
methanol CAS: 67-56-1 EC: 200-659-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	20 mg/kg	Not relevant	20 mg/kg	Not relevant
	Inhalation	130 mg/m ³	130 mg/m ³	130 mg/m ³	130 mg/m ³
sulphuric acid CAS: 7664-93-9 EC: 231-639-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	0.1 mg/m ³	Not relevant	0.05 mg/m ³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	114 mg/m ³	Not relevant
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄) CAS: 104-15-4 EC: 203-180-0	Oral	Not relevant	Not relevant	2.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	2.5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	8.7 mg/m ³	Not relevant
methanol CAS: 67-56-1 EC: 200-659-6	Oral	4 mg/kg	Not relevant	4 mg/kg	Not relevant
	Dermal	4 mg/kg	Not relevant	4 mg/kg	Not relevant
	Inhalation	26 mg/m ³	26 mg/m ³	26 mg/m ³	26 mg/m ³

PNEC:

Identification					
ethanol CAS: 64-17-5 EC: 200-578-6	STP	580 mg/L	Fresh water	0.96 mg/L	
	Soil	0.63 mg/kg	Marine water	0.79 mg/L	
	Intermittent	2.75 mg/L	Sediment (Fresh water)	3.6 mg/kg	
	Oral	0.38 g/kg	Sediment (Marine water)	2.9 mg/kg	
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄) CAS: 104-15-4 EC: 203-180-0	STP	58 mg/L	Fresh water	0.073 mg/L	
	Soil	0.016 mg/kg	Marine water	0.007 mg/L	
	Intermittent	0.73 mg/L	Sediment (Fresh water)	0.058 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.006 mg/kg	
methanol CAS: 67-56-1 EC: 200-659-6	STP	100 mg/L	Fresh water	20.8 mg/L	
	Soil	100 mg/kg	Marine water	2.08 mg/L	
	Intermittent	1540 mg/L	Sediment (Fresh water)	77 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	7.7 mg/kg	
sulphuric acid CAS: 7664-93-9 EC: 231-639-5	STP	8.8 mg/L	Fresh water	0.003 mg/L	
	Soil	Not relevant	Marine water	0 mg/L	
	Intermittent	Not relevant	Sediment (Fresh water)	0.002 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.002 mg/kg	

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

In accordance with the order of importance to control professional exposure it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: AX)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.5 mm)	Replace the gloves at any sign of deterioration.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	79.2 % weight
V.O.C. density at 20 °C:	677.98 kg/m ³ (677.98 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	Colourless
Odour:	Alcohol
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	65 - 337 °C
Vapour pressure at 20 °C:	6798 Pa
Vapour pressure at 50 °C:	31602.43 Pa (31.6 kPa)
Evaporation rate at 20 °C:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Product description:

Density at 20 °C:	856 kg/m ³
Relative density at 20 °C:	0.856
Dynamic viscosity at 20 °C:	1.65 mPa·s
Kinematic viscosity at 20 °C:	1.93 mm ² /s
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	19 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	423 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Causes serious eye irritation.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: ethanol (1: Carcinogenic to humans); sulphuric acid (1: Carcinogenic to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Harmful effects for health in the case of ingestion, contact with the skin or inhalation after a single exposure, resulting in depression of the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion and, in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
ethanol CAS: 64-17-5 EC: 200-578-6	LD50 oral	6200 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour	124.7 mg/L (4 h)	Rat
methanol CAS: 67-56-1 EC: 200-659-6	LD50 oral	100 mg/kg	
	LD50 dermal	300 mg/kg	
	LC50 inhalation vapour	3 mg/L	
sulphuric acid CAS: 7664-93-9 EC: 231-639-5	LD50 oral	2140 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour		

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ethanol CAS: 64-17-5	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄) CAS: 104-15-4	LC50	60 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	Not relevant		
	EC50	245 mg/L (24 h)	Chlorella vulgaris	Algae
methanol CAS: 67-56-1	LC50	15400 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	Not relevant		
	EC50	Not relevant		

Chronic toxicity:

Identification	Concentration		Species	Genus
ethanol CAS: 64-17-5	NOEC	250 mg/L	Danio rerio	Fish
	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
ethanol CAS: 64-17-5 EC: 200-578-6	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	14 days
	BOD5/COD	Not relevant	% Biodegradable	89 %
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄) CAS: 104-15-4 EC: 203-180-0	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	21 days
	BOD5/COD	Not relevant	% Biodegradable	93 %
methanol CAS: 67-56-1 EC: 200-659-6	BOD5	1236 g O ₂ /g	Concentration	Not relevant
	COD	Not relevant	Period	Not relevant
	BOD5/COD	Not relevant	% Biodegradable	Not relevant

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
ethanol CAS: 64-17-5 EC: 200-578-6	BCF	3
	Pow Log	-0.31
	Potential	Low
p-toluenesulphonic acid (containing a maximum of 5 % H ₂ SO ₄) CAS: 104-15-4 EC: 203-180-0	BCF	0.2
	Pow Log	-0.62
	Potential	Low
methanol CAS: 67-56-1 EC: 200-659-6	BCF	
	Pow Log	-0.77
	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
ethanol CAS: 64-17-5	Koc	1	Henry	4.61E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.339E-2 N/m (25 °C)	Moist soil	Yes
methanol CAS: 67-56-1	Koc	Not relevant	Henry	4.61E-1 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Yes
	Surface tension	2.355E-2 N/m (25 °C)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2025 and RID 2025:



SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Environmental hazards: No
14.6 Special precautions for user
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 42-24:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: 367, 163
EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Not relevant
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2026:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Environmental hazards: No
14.6 Special precautions for user
Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000.000	50000.000

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SECTION 15: REGULATORY INFORMATION (continued)

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: Contains sulphuric acid. Product under the provisions of Article 9. However, products that contain explosives precursors only to such a small extent and in such complex mixtures that the extraction of the explosives precursors is technically extremely difficult should be excluded from the scope of this Regulation.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.

H371: May cause damage to organs.

H315: Causes skin irritation.

H225: Highly flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

STOT SE 1: H370 - Causes damage to organs.

STOT SE 3: H335 - May cause respiratory irritation.

Classification procedure:

Eye Irrit. 2: Calculation method

STOT SE 2: Calculation method

Skin Irrit. 2: Calculation method

Flam. Liq. 2: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:



SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

INTERCOAT
Perfect coatings since 1974

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 13920 - Thinner For High-Solids A/C
- Other means of identification:**
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Thinner for the application of paints and varnishes
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Eye Dam. 1: Serious eye damage, Category 1, H318
Flam. Liq. 2: Flammable liquids, Category 2, H225
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Danger



Hazard statements:

Eye Dam. 1: H318 - Causes serious eye damage.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

Supplementary information:

EUH066: Repeated exposure may cause skin dryness or cracking.

Substances that contribute to the classification

Ethyl acetate; butan-1-ol

2.3 Other hazards:

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Solvent/s

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX	ethanol Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	50 - <75%
CAS: 141-78-6 EC: 205-500-4 REACH: 01-2119475103-46-XXXX	Ethyl acetate Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	25 - <50%
CAS: 71-36-3 EC: 200-751-6 REACH: 01-2119484630-38-XXXX	butan-1-ol Acute Tox. 4: H302; Eye Dam. 1: H318; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger	2.5 - <10%
CAS: 67-56-1 EC: 200-659-6 REACH: 01-2119433307-44-XXXX	methanol Acute Tox. 3: H301+H311+H331; Flam. Liq. 2: H225; STOT SE 1: H370 - Danger	1 - <2.5%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
butan-1-ol CAS: 71-36-3 EC: 200-751-6	LD50 oral	800 mg/kg
	LD50 dermal	Not relevant
	LC50 inhalation vapour	Not relevant
methanol CAS: 67-56-1 EC: 200-659-6	LD50 oral	100 mg/kg
	LD50 dermal	300 mg/kg
	LC50 inhalation vapour	3 mg/L

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

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SECTION 4: FIRST AID MEASURES (continued)

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

- CONTINUED ON NEXT PAGE -



SECTION 7: HANDLING AND STORAGE (continued)

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
ethanol	WEL (8h)	1000 ppm	1920 mg/m ³
CAS: 64-17-5	WEL (15 min)		
Ethyl acetate	WEL (8h)	200 ppm	734 mg/m ³
CAS: 141-78-6	WEL (15 min)	400 ppm	1468 mg/m ³
butan-1-ol	WEL (8h)		
CAS: 71-36-3	WEL (15 min)	50 ppm	154 mg/m ³
methanol ⁽¹⁾	WEL (8h)	200 ppm	266 mg/m ³
CAS: 67-56-1	WEL (15 min)	250 ppm	333 mg/m ³

⁽¹⁾ Skin

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 64-17-5	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
EC: 200-578-6	Inhalation	Not relevant	Not relevant	380 mg/m ³	Not relevant

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	63 mg/kg	Not relevant
	Inhalation	1468 mg/m ³	1468 mg/m ³	734 mg/m ³	734 mg/m ³
butan-1-ol CAS: 71-36-3 EC: 200-751-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	310 mg/m ³
methanol CAS: 67-56-1 EC: 200-659-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	20 mg/kg	Not relevant	20 mg/kg	Not relevant
	Inhalation	130 mg/m ³	130 mg/m ³	130 mg/m ³	130 mg/m ³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	114 mg/m ³	Not relevant
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	Oral	Not relevant	Not relevant	4.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	37 mg/kg	Not relevant
	Inhalation	734 mg/m ³	734 mg/m ³	367 mg/m ³	367 mg/m ³
butan-1-ol CAS: 71-36-3 EC: 200-751-6	Oral	Not relevant	Not relevant	1.562 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	3.125 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	55.357 mg/m ³	155 mg/m ³
methanol CAS: 67-56-1 EC: 200-659-6	Oral	4 mg/kg	Not relevant	4 mg/kg	Not relevant
	Dermal	4 mg/kg	Not relevant	4 mg/kg	Not relevant
	Inhalation	26 mg/m ³	26 mg/m ³	26 mg/m ³	26 mg/m ³

PNEC:

Identification					
ethanol CAS: 64-17-5 EC: 200-578-6	STP	580 mg/L	Fresh water	0.96 mg/L	
	Soil	0.63 mg/kg	Marine water	0.79 mg/L	
	Intermittent	2.75 mg/L	Sediment (Fresh water)	3.6 mg/kg	
	Oral	0.38 g/kg	Sediment (Marine water)	2.9 mg/kg	
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	STP	650 mg/L	Fresh water	0.24 mg/L	
	Soil	0.148 mg/kg	Marine water	0.024 mg/L	
	Intermittent	1.65 mg/L	Sediment (Fresh water)	1.15 mg/kg	
	Oral	0.2 g/kg	Sediment (Marine water)	0.115 mg/kg	
butan-1-ol CAS: 71-36-3 EC: 200-751-6	STP	2476 mg/L	Fresh water	0.082 mg/L	
	Soil	0.017 mg/kg	Marine water	0.008 mg/L	
	Intermittent	2.25 mg/L	Sediment (Fresh water)	0.324 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.032 mg/kg	
methanol CAS: 67-56-1 EC: 200-659-6	STP	100 mg/L	Fresh water	20.8 mg/L	
	Soil	100 mg/kg	Marine water	2.08 mg/L	
	Intermittent	1540 mg/L	Sediment (Fresh water)	77 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	7.7 mg/kg	

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	99.43 % weight
V.O.C. density at 20 °C:	827.34 kg/m ³ (827.34 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	Colourless
Odour:	Solvent
Odour threshold:	Not relevant *
Volatility:	
Boiling point at atmospheric pressure:	65 - 118 °C
Vapour pressure at 20 °C:	7406 Pa
Vapour pressure at 50 °C:	32377.68 Pa (32.38 kPa)
Evaporation rate at 20 °C:	Not relevant *
Product description:	
Density at 20 °C:	832 kg/m ³
Relative density at 20 °C:	0.832
Dynamic viscosity at 20 °C:	0.91 mPa·s
Kinematic viscosity at 20 °C:	1.09 mm ² /s
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Flammability:	
Flash Point:	16 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	343 °C
Lower flammability limit:	3.32 % Volume
Upper flammability limit:	15.99 % Volume
Particle characteristics:	
Median equivalent diameter:	Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	25.69 kJ/g
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: ethanol (1: Carcinogenic to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Repeated exposure may cause skin dryness or cracking

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
butan-1-ol CAS: 71-36-3 EC: 200-751-6	LD50 oral	800 mg/kg	Rat
	LD50 dermal	3430 mg/kg	Rabbit
	LC50 inhalation vapour	24 mg/L (4 h)	Rat
ethanol CAS: 64-17-5 EC: 200-578-6	LD50 oral	6200 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour	124.7 mg/L (4 h)	Rat
methanol CAS: 67-56-1 EC: 200-659-6	LD50 oral	100 mg/kg	
	LD50 dermal	300 mg/kg	
	LC50 inhalation vapour	3 mg/L	
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	LD50 oral	4100 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour		

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ethanol CAS: 64-17-5	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
Ethyl acetate CAS: 141-78-6	LC50	230 mg/L (96 h)	Pimephales promelas	Fish
	EC50	717 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	3300 mg/L (48 h)	Scenedesmus subspicatus	Algae
butan-1-ol CAS: 71-36-3	LC50	1740 mg/L (96 h)	Pimephales promelas	Fish
	EC50	1983 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	500 mg/L (96 h)	Scenedesmus subspicatus	Algae
methanol CAS: 67-56-1	LC50	15400 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	Not relevant		
	EC50	Not relevant		

Chronic toxicity:

- CONTINUED ON NEXT PAGE -



SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration	Species	Genus
ethanol CAS: 64-17-5	NOEC 250 mg/L	Danio rerio	Fish
	NOEC 2 mg/L	Ceriodaphnia dubia	Crustacean
Ethyl acetate CAS: 141-78-6	NOEC 9.65 mg/L	Pimephales promelas	Fish
	NOEC 2.4 mg/L	Daphnia magna	Crustacean
butan-1-ol CAS: 71-36-3	NOEC Not relevant		
	NOEC 4.1 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability	Biodegradability
ethanol CAS: 64-17-5 EC: 200-578-6	BOD5 Not relevant COD Not relevant BOD5/COD Not relevant	Concentration 100 mg/L Period 14 days % Biodegradable 89 %
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	BOD5 1.36 g O2/g COD 1.69 g O2/g BOD5/COD 0.8	Concentration 100 mg/L Period 14 days % Biodegradable 83 %
butan-1-ol CAS: 71-36-3 EC: 200-751-6	BOD5 1.71 g O2/g COD 2.46 g O2/g BOD5/COD 0.7	Concentration Not relevant Period 19 days % Biodegradable 98 %
methanol CAS: 67-56-1 EC: 200-659-6	BOD5 1236 g O2/g COD Not relevant BOD5/COD Not relevant	Concentration Not relevant Period Not relevant % Biodegradable Not relevant

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential
ethanol CAS: 64-17-5 EC: 200-578-6	BCF 3 Pow Log -0.31 Potential Low
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	BCF 30 Pow Log 0.73 Potential Moderate
butan-1-ol CAS: 71-36-3 EC: 200-751-6	BCF 1 Pow Log 0.88 Potential Low
methanol CAS: 67-56-1 EC: 200-659-6	BCF Pow Log -0.77 Potential

12.4 Mobility in soil:

Identification	Absorption/desorption	Volatility
ethanol CAS: 64-17-5	Koc 1 Conclusion Very High Surface tension 2.339E-2 N/m (25 °C)	Henry 4.61E-1 Pa·m³/mol Dry soil Yes Moist soil Yes
Ethyl acetate CAS: 141-78-6	Koc 59 Conclusion Very High Surface tension 2.324E-2 N/m (25 °C)	Henry 13.58 Pa·m³/mol Dry soil Yes Moist soil Yes
butan-1-ol CAS: 71-36-3	Koc 2.44 Conclusion Very High Surface tension 2.567E-2 N/m (25 °C)	Henry 5.39E-2 Pa·m³/mol Dry soil Yes Moist soil Yes
methanol CAS: 67-56-1	Koc Not relevant Conclusion Not relevant Surface tension 2.355E-2 N/m (25 °C)	Henry 4.61E-1 Pa·m³/mol Dry soil Yes Moist soil Yes

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2025 and RID 2025:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT RELATED MATERIAL
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Environmental hazards: No
14.6 Special precautions for user
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 42-24:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT RELATED MATERIAL
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: 163, 367
EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Not relevant
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

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SECTION 14: TRANSPORT INFORMATION (continued)

Transport of dangerous goods by air:

With regard to IATA/ICAO 2026:



14.1 UN number:	UN1263
14.2 UN proper shipping name:	PAINT RELATED MATERIAL
14.3 Transport hazard class(es):	3
Labels:	3
14.4 Packing group:	II
14.5 Environmental hazards:	No
14.6 Special precautions for user	
Physico-Chemical properties:	see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000.000	50000.000

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

- H318: Causes serious eye damage.
- H336: May cause drowsiness or dizziness.
- H225: Highly flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

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SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Irrit. 2: H315 - Causes skin irritation.
STOT SE 1: H370 - Causes damage to organs.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Eye Dam. 1: Calculation method
STOT SE 3: Calculation method
Flam. Liq. 2: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 34113 - W/B Mahogany Stain
- Other means of identification:**
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Wood stain
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Sens. 1: Sensitisation, skin, Category 1, H317
- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Warning
 
Hazard statements:
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Precautionary statements:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P261: Avoid breathing vapours
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.
Supplementary information:
Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).
Substances that contribute to the classification
C.I. Acid yellow 220
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Aqueous mixture composed of additives, pigments and resins

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 107-98-2 EC: 203-539-1 REACH: 01-2119457435-35-XXXX	1-methoxy-2-propanol Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	  2.5 - <10%
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX	ethanol Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	  1 - <2.5%
CAS: 70851-34-2 EC: 274-929-7 REACH: Not relevant	C.I. Acid yellow 220 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1: H317 - Warning	  1 - <2.5%
CAS: 55965-84-9 EC: Not relevant REACH: Not relevant	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	   <1%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg
	LD50 dermal	87.12 mg/kg
	LC50 inhalation vapour	1.433 mg/L *

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes on the skin (stinging, redness, rashes, blisters), seek medical advice with this Safety Data Sheet

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

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SECTION 7: HANDLING AND STORAGE (continued)

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification		Occupational exposure limits		
1-methoxy-2-propanol ⁽¹⁾ CAS: 107-98-2	WEL (8h)	100 ppm	375 mg/m ³	
	WEL (15 min)	150 ppm	560 mg/m ³	
ethanol CAS: 64-17-5	WEL (8h)	1000 ppm	1920 mg/m ³	
	WEL (15 min)			

⁽¹⁾ Skin

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	183 mg/kg	Not relevant
	Inhalation	553.5 mg/m ³	553.5 mg/m ³	369 mg/m ³	Not relevant
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	380 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	Oral	Not relevant	Not relevant	33 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	78 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	43.9 mg/m ³	Not relevant

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	114 mg/m ³	Not relevant

PNEC:

Identification					
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	STP	100 mg/L	Fresh water	10 mg/L	
	Soil	4.59 mg/kg	Marine water	1 mg/L	
	Intermittent	100 mg/L	Sediment (Fresh water)	52.3 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	5.2 mg/kg	
ethanol CAS: 64-17-5 EC: 200-578-6	STP	580 mg/L	Fresh water	0.96 mg/L	
	Soil	0.63 mg/kg	Marine water	0.79 mg/L	
	Intermittent	2.75 mg/L	Sediment (Fresh water)	3.6 mg/kg	
	Oral	0.38 g/kg	Sediment (Marine water)	2.9 mg/kg	

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Antistatic and fireproof protective clothing	Limited protection against flames.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	6.26 % weight
V.O.C. density at 20 °C:	62.6 kg/m ³ (62.6 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	According to the markings on the package
Odour:	Mild
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	65 - 165 °C
Vapour pressure at 20 °C:	2366 Pa
Vapour pressure at 50 °C:	12435.91 Pa (12.44 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1000.5 kg/m ³
Relative density at 20 °C:	1.001
Dynamic viscosity at 20 °C:	1.1 mPa·s
Kinematic viscosity at 20 °C:	1.1 mm ² /s
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Decomposition temperature: Not relevant *

Melting point/freezing point: Not relevant *

Flammability:

Flash Point: 53 °C

Flammability (solid, gas): Not relevant *

Autoignition temperature: 287 °C

Lower flammability limit: Not relevant *

Upper flammability limit: Not relevant *

Particle characteristics:

Median equivalent diameter: Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties: Not relevant *

Oxidising properties: Not relevant *

Corrosive to metals: Not relevant *

Heat of combustion: Not relevant *

Aerosols-total percentage (by mass) of flammable components: Not relevant *

Other safety characteristics:

Surface tension at 20 °C: Not relevant *

Refraction index: Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: ethanol (1: Carcinogenic to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
ethanol CAS: 64-17-5 EC: 200-578-6	LD50 oral	6200 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour	124.7 mg/L (4 h)	Rat
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	LD50 oral	4016 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour		

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	Rat
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation mist	0.33 mg/L	Rat

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-methoxy-2-propanol CAS: 107-98-2	LC50	20800 mg/L (96 h)	Pimephales promelas	Fish
	EC50	23300 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1000 mg/L (168 h)	Selenastrum capricornutum	Algae
ethanol CAS: 64-17-5	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
C.I. Acid yellow 220 CAS: 70851-34-2	LC50	>0.1 - 1 mg/L (96 h)		Fish
	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
	EC50	>0.1 - 1 mg/L (72 h)		Algae
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LC50	0.28 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	0.16 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.027 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
ethanol CAS: 64-17-5	NOEC	250 mg/L	Danio rerio	Fish
	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NOEC	>0.001 - 0.01 mg/L		Fish
	NOEC	>0.001 - 0.01 mg/L		Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	90 %
ethanol CAS: 64-17-5 EC: 200-578-6	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	14 days
	BOD5/COD	Not relevant	% Biodegradable	89 %
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BOD5	Not relevant	Concentration	0.3 mg/L
	COD	Not relevant	Period	29 days
	BOD5/COD	Not relevant	% Biodegradable	38.8 %

12.3 Bioaccumulative potential:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	BCF	3
	Pow Log	-0.44
	Potential	Low
ethanol CAS: 64-17-5 EC: 200-578-6	BCF	3
	Pow Log	-0.31
	Potential	Low
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BCF	54
	Pow Log	0.75
	Potential	Moderate

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
ethanol CAS: 64-17-5	Koc	1	Henry	4.61E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.339E-2 N/m (25 °C)	Moist soil	Yes
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	Koc	Not relevant	Henry	5E-3 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP14 Ecotoxic, HP3 Flammable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2025 and RID 2025:



SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 42-24:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: 223, 955, 163, 367
EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Not relevant
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2026:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000.000	50000.000

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SECTION 15: REGULATORY INFORMATION (continued)

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects.

H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.

Acute Tox. 3: H301 - Toxic if swallowed.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Skin Sens. 1: Calculation method

Aquatic Chronic 3: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:



SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

INTERCOAT
Perfect coatings since 1974

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

34493 - W/B Lt Oak S/P Stain

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 34493 - W/B Lt Oak S/P Stain
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Wood stain
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
The product is not classified as hazardous according to GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Hazard statements:
Not relevant
Precautionary statements:
Not relevant
Supplementary information:
EUH208: Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210: Safety data sheet available on request.
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Not relevant
- 3.2 Mixture:**
Chemical description: Aqueous mixture composed of additives, pigments and resins
Components:
In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX	ethanol Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger 	1 - <2.5%
CAS: 55965-84-9 EC: Not relevant REACH: Not relevant	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger 	<1%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

- CONTINUED ON NEXT PAGE -

34493 - W/B Lt Oak S/P Stain

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	
	LD50 dermal	87.12 mg/kg	
	LC50 inhalation vapour	1.433 mg/L *	

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
ethanol CAS: 64-17-5	WEL (8h)	1000 ppm	1920 mg/m ³
	WEL (15 min)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	380 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	114 mg/m ³	Not relevant

PNEC:

Identification				
ethanol CAS: 64-17-5 EC: 200-578-6	STP	580 mg/L	Fresh water	0.96 mg/L
	Soil	0.63 mg/kg	Marine water	0.79 mg/L
	Intermittent	2.75 mg/L	Sediment (Fresh water)	3.6 mg/kg
	Oral	0.38 g/kg	Sediment (Marine water)	2.9 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
	Work clothing	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	1.47 % weight
V.O.C. density at 20 °C:	15.2 kg/m ³ (15.2 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	According to the markings on the package
Odour:	Mild
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	65 - 1355 °C
Vapour pressure at 20 °C:	2378 Pa
Vapour pressure at 50 °C:	12504.34 Pa (12.5 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1032.4 kg/m ³
Relative density at 20 °C:	1.032
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	260 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *
Particle characteristics:	
Median equivalent diameter:	Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Precaution	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: ethanol (1: Carcinogenic to humans); 2,6-di-tert-butyl-p-cresol (3: Not classifiable as to its carcinogenicity to humans); Titanium dioxide (2B: Possibly carcinogenic to humans); Diiron trioxide (3: Not classifiable as to its carcinogenicity to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

- CONTINUED ON NEXT PAGE -

34493 - W/B Lt Oak S/P Stain

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
ethanol CAS: 64-17-5 EC: 200-578-6	LD50 oral	6200 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour	124.7 mg/L (4 h)	Rat
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	Rat
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation mist	0.33 mg/L	Rat

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ethanol CAS: 64-17-5	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LC50	0.28 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	0.16 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.027 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
ethanol CAS: 64-17-5	NOEC	250 mg/L	Danio rerio	Fish
	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NOEC	>0.001 - 0.01 mg/L		Fish
	NOEC	>0.001 - 0.01 mg/L		Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
ethanol CAS: 64-17-5 EC: 200-578-6	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	14 days
	BOD5/COD	Not relevant	% Biodegradable	89 %
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BOD5	Not relevant	Concentration	0.3 mg/L
	COD	Not relevant	Period	29 days
	BOD5/COD	Not relevant	% Biodegradable	38.8 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
ethanol CAS: 64-17-5 EC: 200-578-6	BCF	3
	Pow Log	-0.31
	Potential	Low
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BCF	54
	Pow Log	0.75
	Potential	Moderate

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
ethanol CAS: 64-17-5	Koc	1	Henry	4.61E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.339E-2 N/m (25 °C)	Moist soil	Yes
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	Koc	Not relevant	Henry	5E-3 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 12	waste paint and varnish other than those mentioned in 08 01 11	Non-hazardous

Type of waste:

Not relevant

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Not relevant

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations

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SECTION 15: REGULATORY INFORMATION (continued)

2020.
Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.
Acute Tox. 3: H301 - Toxic if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Not relevant

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** 35420 - Lt Oak 99 Comp A/C Basecoat
- Other means of identification:**
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Eye Dam. 1: Serious eye damage, Category 1, H318
Flam. Liq. 2: Flammable liquids, Category 2, H225
Skin Irrit. 2: Skin irritation, Category 2, H315
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:**GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):****Danger****Hazard statements:**

Eye Dam. 1: H318 - Causes serious eye damage.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Skin Irrit. 2: H315 - Causes skin irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

Supplementary information:

EUH208: Contains Formaldehyde. May produce an allergic reaction.

Substances that contribute to the classification

2-methylpropan-1-ol; Ethyl acetate; N-butyl acetate

2.3 Other hazards:

- CONTINUED ON NEXT PAGE -



SECTION 2: HAZARDS IDENTIFICATION (continued)

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Mixture composed of additives and resins in solvents

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 68002-18-6 EC: Not relevant REACH: Not relevant	Urea, polymer with formaldehyde, isobutylated Aquatic Chronic 4: H413	10 - <25%
78-83-1 CAS: 201-148-0 EC: 01- REACH: 2119484609-23-XXXX	2-methylpropan-1-ol Eye Dam. 1: H318; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger	10 - <25%
141-78-6 CAS: 205-500-4 EC: 01- REACH: 2119475103-46-XXXX	Ethyl acetate Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	10 - <25%
123-86-4 CAS: 204-658-1 EC: 01- REACH: 2119485493-29-XXXX	N-butyl acetate Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning	10 - <25%
64-17-5 CAS: 200-578-6 EC: 01- REACH: 2119457610-43-XXXX	ethanol Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	2.5 - <10%
50-00-0 CAS: 200-001-8 EC: 01- REACH: 2119488953-20-XXXX	Formaldehyde Acute Tox. 2: H330; Acute Tox. 4: H302; Carc. 1B: H350; Muta. 2: H341; Skin Corr. 1B: H314; Skin Sens. 1A: H317; EUH071 - Danger	<1%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
Formaldehyde CAS: 50-00-0 EC: 200-001-8	LD50 oral 500 mg/kg	
	LD50 dermal Not relevant	
	LC50 inhalation vapour 0.5 mg/L *	

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

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**SECTION 4: FIRST AID MEASURES (continued)**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media:****Suitable extinguishing media:**

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:



SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
2-methylpropan-1-ol CAS: 78-83-1	WEL (8h)	50 ppm	154 mg/m ³
	WEL (15 min)	75 ppm	231 mg/m ³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
Ethyl acetate CAS: 141-78-6	WEL (8h)	200 ppm	734 mg/m ³
	WEL (15 min)	400 ppm	1468 mg/m ³
N-butyl acetate CAS: 123-86-4	WEL (8h)	150 ppm	724 mg/m ³
	WEL (15 min)	200 ppm	966 mg/m ³
ethanol CAS: 64-17-5	WEL (8h)	1000 ppm	1920 mg/m ³
	WEL (15 min)		
Formaldehyde ⁽¹⁾ CAS: 50-00-0	WEL (8h)	2 ppm	2.5 mg/m ³
	WEL (15 min)	2 ppm	2.5 mg/m ³

⁽¹⁾ Dermal sensitisation

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	310 mg/m ³
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	63 mg/kg	Not relevant
	Inhalation	1468 mg/m ³	1468 mg/m ³	734 mg/m ³	734 mg/m ³
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	11 mg/kg	Not relevant	11 mg/kg	Not relevant
	Inhalation	600 mg/m ³	600 mg/m ³	300 mg/m ³	300 mg/m ³
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	380 mg/m ³	Not relevant
Formaldehyde CAS: 50-00-0 EC: 200-001-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	240 mg/kg	Not relevant
	Inhalation	Not relevant	0.75 mg/m ³	9 mg/m ³	0.375 mg/m ³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	55 mg/m ³
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	Oral	Not relevant	Not relevant	4.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	37 mg/kg	Not relevant
	Inhalation	734 mg/m ³	734 mg/m ³	367 mg/m ³	367 mg/m ³
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	Oral	2 mg/kg	Not relevant	2 mg/kg	Not relevant
	Dermal	6 mg/kg	Not relevant	6 mg/kg	Not relevant
	Inhalation	300 mg/m ³	300 mg/m ³	35.7 mg/m ³	35.7 mg/m ³
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	114 mg/m ³	Not relevant
Formaldehyde CAS: 50-00-0 EC: 200-001-8	Oral	Not relevant	Not relevant	4.1 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	102 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3.2 mg/m ³	0.1 mg/m ³

PNEC:

Identification				
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	STP	10 mg/L	Fresh water	0.4 mg/L
	Soil	0.076 mg/kg	Marine water	0.04 mg/L
	Intermittent	11 mg/L	Sediment (Fresh water)	1.56 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.156 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	STP	650 mg/L	Fresh water	0.24 mg/L
	Soil	0.148 mg/kg	Marine water	0.024 mg/L
	Intermittent	1.65 mg/L	Sediment (Fresh water)	1.15 mg/kg
	Oral	0.2 g/kg	Sediment (Marine water)	0.115 mg/kg
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	STP	35.6 mg/L	Fresh water	0.18 mg/L
	Soil	0.09 mg/kg	Marine water	0.018 mg/L
	Intermittent	0.36 mg/L	Sediment (Fresh water)	0.981 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.098 mg/kg
ethanol CAS: 64-17-5 EC: 200-578-6	STP	580 mg/L	Fresh water	0.96 mg/L
	Soil	0.63 mg/kg	Marine water	0.79 mg/L
	Intermittent	2.75 mg/L	Sediment (Fresh water)	3.6 mg/kg
	Oral	0.38 g/kg	Sediment (Marine water)	2.9 mg/kg
Formaldehyde CAS: 50-00-0 EC: 200-001-8	STP	0.19 mg/L	Fresh water	0.44 mg/L
	Soil	0.2 mg/kg	Marine water	0.44 mg/L
	Intermittent	4.44 mg/L	Sediment (Fresh water)	2.3 mg/kg
	Oral	Not relevant	Sediment (Marine water)	2.3 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Antistatic and fireproof protective clothing	Limited protection against flames.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	41.84 % weight
V.O.C. density at 20 °C:	415.82 kg/m ³ (415.82 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	According to the markings on the package
Odour:	Solvent
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	77 - 206 °C
Vapour pressure at 20 °C:	4756 Pa
Vapour pressure at 50 °C:	20580.63 Pa (20.58 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	993.8 kg/m ³
Relative density at 20 °C:	0.994
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Decomposition temperature: Not relevant *

Melting point/freezing point: Not relevant *

Flammability:

Flash Point: 15 °C

Flammability (solid, gas): Not relevant *

Autoignition temperature: 421 °C

Lower flammability limit: Not relevant *

Upper flammability limit: Not relevant *

Particle characteristics:

Median equivalent diameter: Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties: Not relevant *

Oxidising properties: Not relevant *

Corrosive to metals: Not relevant *

Heat of combustion: Not relevant *

Aerosols-total percentage (by mass) of flammable components: Not relevant *

Other safety characteristics:

Surface tension at 20 °C: Not relevant *

Refraction index: Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.
IARC: ethanol (1: Carcinogenic to humans); Talc (2A: Probably carcinogenic to humans); Formaldehyde (1: Carcinogenic to humans)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
ethanol CAS: 64-17-5 EC: 200-578-6	LD50 oral	6200 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour	124.7 mg/L (4 h)	Rat
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	LD50 oral	12789 mg/kg	Rat
	LD50 dermal	14112 mg/kg	Rabbit
	LC50 inhalation vapour	23.4 mg/L (4 h)	Rat
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	LD50 oral	3350 mg/kg	Rat
	LD50 dermal	2460 mg/kg	Rabbit
	LC50 inhalation vapour	24.6 mg/L (4 h)	Rat

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	LD50 oral	4100 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour		
Formaldehyde CAS: 50-00-0 EC: 200-001-8	LD50 oral	500 mg/kg	
	LD50 dermal		
	LC50 inhalation gases	100 mg/L	

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-methylpropan-1-ol CAS: 78-83-1	LC50	2030 mg/L (96 h)	Carassius auratus	Fish
	EC50	1439 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1250 mg/L (48 h)	Scenedesmus subspicatus	Algae
Ethyl acetate CAS: 141-78-6	LC50	230 mg/L (96 h)	Pimephales promelas	Fish
	EC50	717 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	3300 mg/L (48 h)	Scenedesmus subspicatus	Algae
N-butyl acetate CAS: 123-86-4	LC50	Not relevant		
	EC50	Not relevant		
	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
ethanol CAS: 64-17-5	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
2-methylpropan-1-ol CAS: 78-83-1	NOEC	Not relevant		
	NOEC	20 mg/L	Daphnia magna	Crustacean
Ethyl acetate CAS: 141-78-6	NOEC	9.65 mg/L	Pimephales promelas	Fish
	NOEC	2.4 mg/L	Daphnia magna	Crustacean
N-butyl acetate CAS: 123-86-4	NOEC	Not relevant		
	NOEC	23.2 mg/L	Daphnia magna	Crustacean
ethanol CAS: 64-17-5	NOEC	250 mg/L	Danio rerio	Fish
	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	BOD5	0.4 g O2/g	Concentration	100 mg/L
	COD	2.41 g O2/g	Period	14 days
	BOD5/COD	0.17	% Biodegradable	90 %
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	BOD5	1.36 g O2/g	Concentration	100 mg/L
	COD	1.69 g O2/g	Period	14 days
	BOD5/COD	0.8	% Biodegradable	83 %

- CONTINUED ON NEXT PAGE -



SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	BOD5	Not relevant	Concentration	Not relevant
	COD	Not relevant	Period	5 days
	BOD5/COD	Not relevant	% Biodegradable	84 %
ethanol CAS: 64-17-5 EC: 200-578-6	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	14 days
	BOD5/COD	Not relevant	% Biodegradable	89 %
Formaldehyde CAS: 50-00-0 EC: 200-001-8	BOD5	Not relevant	Concentration	10 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	99 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	BCF	3
	Pow Log	0.76
	Potential	Low
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	BCF	30
	Pow Log	0.73
	Potential	Moderate
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	BCF	4
	Pow Log	1.78
	Potential	Low
ethanol CAS: 64-17-5 EC: 200-578-6	BCF	3
	Pow Log	-0.31
	Potential	Low
Formaldehyde CAS: 50-00-0 EC: 200-001-8	BCF	0
	Pow Log	0.35
	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-methylpropan-1-ol CAS: 78-83-1	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	2.378E-2 N/m (25 °C)	Moist soil	Not relevant
Ethyl acetate CAS: 141-78-6	Koc	59	Henry	13.58 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.324E-2 N/m (25 °C)	Moist soil	Yes
N-butyl acetate CAS: 123-86-4	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	2.478E-2 N/m (25 °C)	Moist soil	Not relevant
ethanol CAS: 64-17-5	Koc	1	Henry	4.61E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.339E-2 N/m (25 °C)	Moist soil	Yes
Formaldehyde CAS: 50-00-0	Koc	15.9	Henry	3.4E-2 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	Not relevant	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

- CONTINUED ON NEXT PAGE -



SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP3 Flammable, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2025 and RID 2025:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Environmental hazards: No
14.6 Special precautions for user
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 42-24:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: 367, 163
EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Not relevant
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2026:

- CONTINUED ON NEXT PAGE -



SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Environmental hazards: No
14.6 Special precautions for user
 Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000.000	50000.000

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

1. Shall not be placed on the market in articles, after 6 August 2026, if, under the test conditions specified in Appendix 14, the concentration of formaldehyde released from those articles exceeds:

- (a) 0,062 mg/m³ for furniture and wood-based articles
- (b) 0,080 mg/m³ for articles other than furniture and wood-based articles.

The first subparagraph shall not apply to:

- (a) articles in which formaldehyde or formaldehyde releasing substances are exclusively naturally present in the materials from which the articles are produced
- (b) articles that are exclusively for outdoor use under foreseeable conditions
- (c) articles in constructions, that are exclusively used outside the building shell and vapour barrier and that do not emit formaldehyde into indoor air
- (d) articles exclusively for industrial or professional use unless formaldehyde released from them leads to exposure of the general public under foreseeable conditions of use
- (e) articles for which the restriction laid down in entry 72 applies
- (f) articles that are biocidal products within the scope of Regulation (EU) No 528/2012 of the European Parliament and of the Council¹
- (g) devices within the scope of Regulation (EU) 2017/745
- (h) personal protective equipment within the scope of Regulation (EU) 2016/425
- (i) articles intended to come into contact directly or indirectly with food within the scope of Regulation (EC) No 1935/2004
- (j) second-hand articles.

2. Shall not be placed on the market in road vehicles after 6 August 2027 if, under the test conditions specified in Appendix 14, the concentration of formaldehyde in the interior of those vehicles exceeds 0,062 mg/m³.

The first subparagraph shall not apply to:

- (a) road vehicles exclusively for industrial or professional use unless the concentration of formaldehyde in the interior of those vehicles leads to exposure of the general public under foreseeable conditions of use
- (b) second-hand vehicles.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

- CONTINUED ON NEXT PAGE -

**SECTION 15: REGULATORY INFORMATION (continued)**

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.
Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H318: Causes serious eye damage.
H336: May cause drowsiness or dizziness.
H315: Causes skin irritation.
H225: Highly flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H330 - Fatal if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.
Carc. 1B: H350 - May cause cancer.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Eye Dam. 1: Calculation method
STOT SE 3: Calculation method
Skin Irrit. 2: Calculation method
Flam. Liq. 2: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

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INTERCOAT
Perfect coatings since 1974

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 40684 - Strong Cherry Naphtha Stain
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Wood stain
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Acute Tox. 4: Acute toxicity, Category 4, H312+H332
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Asp. Tox. 1: Aspiration hazard, Category 1, H304
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 3: Flammable liquids, Category 3, H226
Repr. 2: Reproductive toxicity, Category 2, H361
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1B: Sensitisation, skin, Category 1B, H317
STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Danger



Hazard statements:

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 2: H361 - Suspected of damaging fertility or the unborn child.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Precautionary statements:

- CONTINUED ON NEXT PAGE -



SECTION 2: HAZARDS IDENTIFICATION (continued)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

Substances that contribute to the classification

Xylene; 4-hydroxy-4-methylpentan-2-one; C.I.Solvent Yellow 82

2.3 Other hazards:

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Mixture of dyes in solvents

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 1330-20-7 EC: 215-535-7 REACH: 01-2119488216-32-XXXX	Xylene Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger	 75 - <100%
CAS: 123-42-2 EC: 204-626-7 REACH: 01-2119473975-21-XXXX	4-hydroxy-4-methylpentan-2-one Eye Irrit. 2: H319; Flam. Liq. 3: H226; Repr. 2: H361; STOT SE 3: H335 - Warning	 10 - <25%
CAS: 85029-58-9 EC: 285-083-3 REACH: 01-2120756276-48-XXXX	C.I.Solvent Yellow 82 Aquatic Chronic 1: H410; Skin Sens. 1B: H317 - Warning	 1 - <2.5%
CAS: 52256-37-8 EC: 257-789-1 REACH: 01-2120119379-51-XXXX	C.I.Solvent Orange 62 Aquatic Chronic 2: H411	 1 - <2.5%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	Not relevant	
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the affected person from the area of exposure, provide them with fresh air, and keep them at rest. In severe cases such as cardiorespiratory arrest, administer artificial respiration techniques if properly trained (CPR, oxygen provision, etc.) and seek immediate medical assistance.

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**SECTION 4: FIRST AID MEASURES (continued)****By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media:****Suitable extinguishing media:**

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

- CONTINUED ON NEXT PAGE -



SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
Xylene ⁽¹⁾ CAS: 1330-20-7	WEL (8h)	50 ppm	220 mg/m ³
	WEL (15 min)	100 ppm	441 mg/m ³
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2	WEL (8h)	50 ppm	241 mg/m ³
	WEL (15 min)	75 ppm	362 mg/m ³

⁽¹⁾ Skin

Biological limit values:

BIOLOGICAL MONITORING GUIDANCE VALUES (BMGVs) - EH40/2005

Identification	NULL	NULL	NULL
Xylene CAS: 1330-20-7	1030 mg/g (Creatinine)	Methyl hippuric acid in urine	Post shift

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Xylene CAS: 1330-20-7 EC: 215-535-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	212 mg/kg	Not relevant
	Inhalation	442 mg/m ³	442 mg/m ³	221 mg/m ³	221 mg/m ³
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2 EC: 204-626-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	467 mg/kg	Not relevant
	Inhalation	Not relevant	240 mg/m ³	32.6 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Xylene CAS: 1330-20-7 EC: 215-535-7	Oral	Not relevant	Not relevant	12.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	125 mg/kg	Not relevant
	Inhalation	260 mg/m ³	260 mg/m ³	65.3 mg/m ³	65.3 mg/m ³
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2 EC: 204-626-7	Oral	Not relevant	Not relevant	1.67 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	33 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	5.8 mg/m ³	Not relevant

PNEC:

Identification				
Xylene CAS: 1330-20-7 EC: 215-535-7	STP	6.58 mg/L	Fresh water	0.327 mg/L
	Soil	2.31 mg/kg	Marine water	0.327 mg/L
	Intermittent	0.327 mg/L	Sediment (Fresh water)	12.46 mg/kg
	Oral	Not relevant	Sediment (Marine water)	12.46 mg/kg
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2 EC: 204-626-7	STP	100 mg/L	Fresh water	2 mg/L
	Soil	0.3 mg/kg	Marine water	0.2 mg/L
	Intermittent	1 mg/L	Sediment (Fresh water)	7.4 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.74 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	95 % weight
V.O.C. density at 20 °C:	843.13 kg/m ³ (843.13 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	According to the markings on the package
Odour:	Solvent
Odour threshold:	Not relevant *
Volatility:	
Boiling point at atmospheric pressure:	140 - 168 °C
Vapour pressure at 20 °C:	663 Pa
Vapour pressure at 50 °C:	3394.4 Pa (3.39 kPa)
Evaporation rate at 20 °C:	Not relevant *
Product description:	
Density at 20 °C:	887.5 kg/m ³
Relative density at 20 °C:	0.888
Dynamic viscosity at 20 °C:	1.39 mPa·s
Kinematic viscosity at 20 °C:	1.57 mm ² /s
Kinematic viscosity at 40 °C:	<=20.5 mm ² /s
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Flammability:	
Flash Point:	28 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	488 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *
Particle characteristics:	
Median equivalent diameter:	Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

- CONTINUED ON NEXT PAGE -



SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Causes serious eye irritation.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Xylene (3: Not classifiable as to its carcinogenicity to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Suspected of damaging fertility or the unborn child

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

- CONTINUED ON NEXT PAGE -



SECTION 11: TOXICOLOGICAL INFORMATION (continued)

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

May be fatal if swallowed and enters airways.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2 EC: 204-626-7	LD50 oral	3002 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour		
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	3523 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Xylene CAS: 1330-20-7	LC50	Not relevant		
	EC50	10.389 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Not relevant		
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2	LC50	110 mg/L (96 h)	Oryzias latipes	Fish
	EC50	1000 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1000 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
C.I.Solvent Yellow 82 CAS: 85029-58-9	LC50	>0.1 - 1 mg/L (96 h)		Fish
	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
	EC50	>0.1 - 1 mg/L (72 h)		Algae
C.I.Solvent Orange 62 CAS: 52256-37-8	LC50	>1 - 10 mg/L (96 h)		Fish
	EC50	>1 - 10 mg/L (48 h)		Crustacean
	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2	NOEC	Not relevant		
	NOEC	100 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
Xylene CAS: 1330-20-7 EC: 215-535-7	BOD5	Not relevant	Concentration	16 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	94 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
4-hydroxy-4-methylpentan-2-one	BOD5	Not relevant	Concentration	57.5 mg/L
CAS: 123-42-2	COD	Not relevant	Period	28 days
EC: 204-626-7	BOD5/COD	Not relevant	% Biodegradable	98.51 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Xylene	BCF	26
CAS: 1330-20-7	Pow Log	3.16
EC: 215-535-7	Potential	Low
4-hydroxy-4-methylpentan-2-one	BCF	0.5
CAS: 123-42-2	Pow Log	
EC: 204-626-7	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Xylene	Koc	537	Henry	623 Pa·m ³ /mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
	Surface tension	Not relevant	Moist soil	Yes
4-hydroxy-4-methylpentan-2-one	Koc	1	Henry	Not relevant
CAS: 123-42-2	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	2.963E-2 N/m (25 °C)	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP14 Ecotoxic, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP3 Flammable, HP6 Acute Toxicity, HP10 Toxic for reproduction, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2025 and RID 2025:



SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 42-24:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: 223, 955, 163, 367
EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Not relevant
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2026:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000.000	50000.000

- CONTINUED ON NEXT PAGE -

**SECTION 15: REGULATORY INFORMATION (continued)****Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):**

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.

H361: Suspected of damaging fertility or the unborn child.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H315: Causes skin irritation.

H412: Harmful to aquatic life with long lasting effects.

H317: May cause an allergic skin reaction.

H312+H332: Harmful in contact with skin or if inhaled.

H304: May be fatal if swallowed and enters airways.

H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Repr. 2: H361 - Suspected of damaging fertility or the unborn child.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1B: H317 - May cause an allergic skin reaction.

STOT SE 3: H335 - May cause respiratory irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Eye Irrit. 2: Calculation method

Repr. 2: Calculation method

STOT SE 3: Calculation method

STOT SE 3: Calculation method

Skin Irrit. 2: Calculation method

Aquatic Chronic 3: Calculation method

Skin Sens. 1B: Calculation method

Acute Tox. 4: Calculation method

Asp. Tox. 1: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

- CONTINUED ON NEXT PAGE -



SECTION 16: OTHER INFORMATION (continued)

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

INTERCOAT
Perfect coatings since 1974

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** 42106 - ASH PIGMENTED NAPHTHA STAIN
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Wood stain
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Acute Tox. 4: Acute toxicity, Category 4, H312+H332
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Asp. Tox. 1: Aspiration hazard, Category 1, H304
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 3: Flammable liquids, Category 3, H226
Repr. 2: Reproductive toxicity, Category 2, H361
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1B: Sensitisation, skin, Category 1B, H317
STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:**GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):**

Danger

**Hazard statements:**

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 2: H361 - Suspected of damaging fertility or the unborn child.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Precautionary statements:

- CONTINUED ON NEXT PAGE -



SECTION 2: HAZARDS IDENTIFICATION (continued)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

Substances that contribute to the classification

Xylene; 4-hydroxy-4-methylpentan-2-one; C.I.Solvent Yellow 82

2.3 Other hazards:

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Mixture of dyes in solvents

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 1330-20-7 EC: 215-535-7 REACH: 01-2119488216-32-XXXX	Xylene Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger	 75 - <100%
CAS: 123-42-2 EC: 204-626-7 REACH: 01-2119473975-21-XXXX	4-hydroxy-4-methylpentan-2-one Eye Irrit. 2: H319; Flam. Liq. 3: H226; Repr. 2: H361; STOT SE 3: H335 - Warning	 10 - <25%
CAS: 85029-58-9 EC: 285-083-3 REACH: 01-2120756276-48-XXXX	C.I.Solvent Yellow 82 Aquatic Chronic 1: H410; Skin Sens. 1B: H317 - Warning	 1 - <2.5%
CAS: 52256-37-8 EC: 257-789-1 REACH: 01-2120119379-51-XXXX	C.I.Solvent Orange 62 Aquatic Chronic 2: H411	 1 - <2.5%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	Not relevant	
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the affected person from the area of exposure, provide them with fresh air, and keep them at rest. In severe cases such as cardiorespiratory arrest, administer artificial respiration techniques if properly trained (CPR, oxygen provision, etc.) and seek immediate medical assistance.

- CONTINUED ON NEXT PAGE -



SECTION 4: FIRST AID MEASURES (continued)

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

- CONTINUED ON NEXT PAGE -



SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.:	5 °C
Maximum Temp.:	30 °C
Maximum time:	12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
Xylene ⁽¹⁾ CAS: 1330-20-7	WEL (8h)	50 ppm	220 mg/m ³
	WEL (15 min)	100 ppm	441 mg/m ³
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2	WEL (8h)	50 ppm	241 mg/m ³
	WEL (15 min)	75 ppm	362 mg/m ³

⁽¹⁾ Skin

Biological limit values:

BIOLOGICAL MONITORING GUIDANCE VALUES (BMGVs) - EH40/2005

Identification	NULL	NULL	NULL
Xylene CAS: 1330-20-7	1030 mg/g (Creatinine)	Methyl hippuric acid in urine	Post shift

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Xylene CAS: 1330-20-7 EC: 215-535-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	212 mg/kg	Not relevant
	Inhalation	442 mg/m ³	442 mg/m ³	221 mg/m ³	221 mg/m ³
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2 EC: 204-626-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	467 mg/kg	Not relevant
	Inhalation	Not relevant	240 mg/m ³	32.6 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Xylene CAS: 1330-20-7 EC: 215-535-7	Oral	Not relevant	Not relevant	12.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	125 mg/kg	Not relevant
	Inhalation	260 mg/m ³	260 mg/m ³	65.3 mg/m ³	65.3 mg/m ³
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2 EC: 204-626-7	Oral	Not relevant	Not relevant	1.67 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	33 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	5.8 mg/m ³	Not relevant

PNEC:

Identification				
Xylene CAS: 1330-20-7 EC: 215-535-7	STP	6.58 mg/L	Fresh water	0.327 mg/L
	Soil	2.31 mg/kg	Marine water	0.327 mg/L
	Intermittent	0.327 mg/L	Sediment (Fresh water)	12.46 mg/kg
	Oral	Not relevant	Sediment (Marine water)	12.46 mg/kg
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2 EC: 204-626-7	STP	100 mg/L	Fresh water	2 mg/L
	Soil	0.3 mg/kg	Marine water	0.2 mg/L
	Intermittent	1 mg/L	Sediment (Fresh water)	7.4 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.74 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	95 % weight
V.O.C. density at 20 °C:	843.13 kg/m ³ (843.13 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	According to the markings on the package
Odour:	Solvent
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	140 - 168 °C
Vapour pressure at 20 °C:	663 Pa
Vapour pressure at 50 °C:	3394.4 Pa (3.39 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	887.5 kg/m ³
Relative density at 20 °C:	0.888
Dynamic viscosity at 20 °C:	1.39 mPa·s
Kinematic viscosity at 20 °C:	1.57 mm ² /s
Kinematic viscosity at 40 °C:	<=20.5 mm ² /s
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	28 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	488 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Causes serious eye irritation.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Xylene (3: Not classifiable as to its carcinogenicity to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Suspected of damaging fertility or the unborn child

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)
G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

May be fatal if swallowed and enters airways.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2 EC: 204-626-7	LD50 oral	3002 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour		
Xylene CAS: 1330-20-7 EC: 215-535-7	LD50 oral	3523 mg/kg	Rat
	LD50 dermal	1100 mg/kg	
	LC50 inhalation vapour	11 mg/L	

11.2 Information on other hazards:
Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:
Acute toxicity:

Identification	Concentration		Species	Genus
Xylene CAS: 1330-20-7	LC50	Not relevant		
	EC50	10.389 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Not relevant		
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2	LC50	110 mg/L (96 h)	Oryzias latipes	Fish
	EC50	1000 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1000 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
C.I.Solvent Yellow 82 CAS: 85029-58-9	LC50	>0.1 - 1 mg/L (96 h)		Fish
	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
	EC50	>0.1 - 1 mg/L (72 h)		Algae
C.I.Solvent Orange 62 CAS: 52256-37-8	LC50	>1 - 10 mg/L (96 h)		Fish
	EC50	>1 - 10 mg/L (48 h)		Crustacean
	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
4-hydroxy-4-methylpentan-2-one CAS: 123-42-2	NOEC	Not relevant		
	NOEC	100 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:
Substance-specific information:

Identification	Degradability		Biodegradability	
Xylene CAS: 1330-20-7 EC: 215-535-7	BOD5	Not relevant	Concentration	16 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	94 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
4-hydroxy-4-methylpentan-2-one	BOD5	Not relevant	Concentration	57.5 mg/L
CAS: 123-42-2	COD	Not relevant	Period	28 days
EC: 204-626-7	BOD5/COD	Not relevant	% Biodegradable	98.51 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Xylene	BCF	26
CAS: 1330-20-7	Pow Log	3.16
EC: 215-535-7	Potential	Low
4-hydroxy-4-methylpentan-2-one	BCF	0.5
CAS: 123-42-2	Pow Log	
EC: 204-626-7	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Xylene	Koc	537	Henry	623 Pa·m ³ /mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
	Surface tension	Not relevant	Moist soil	Yes
4-hydroxy-4-methylpentan-2-one	Koc	1	Henry	Not relevant
CAS: 123-42-2	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	2.963E-2 N/m (25 °C)	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP14 Ecotoxic, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP3 Flammable, HP6 Acute Toxicity, HP10 Toxic for reproduction, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2025 and RID 2025:



SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 42-24:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: 223, 955, 163, 367
EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Not relevant
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2026:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000.000	50000.000

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**SECTION 15: REGULATORY INFORMATION (continued)****Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):**

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.

H361: Suspected of damaging fertility or the unborn child.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H315: Causes skin irritation.

H412: Harmful to aquatic life with long lasting effects.

H317: May cause an allergic skin reaction.

H312+H332: Harmful in contact with skin or if inhaled.

H304: May be fatal if swallowed and enters airways.

H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Repr. 2: H361 - Suspected of damaging fertility or the unborn child.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1B: H317 - May cause an allergic skin reaction.

STOT SE 3: H335 - May cause respiratory irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Eye Irrit. 2: Calculation method

Repr. 2: Calculation method

STOT SE 3: Calculation method

STOT SE 3: Calculation method

Skin Irrit. 2: Calculation method

Aquatic Chronic 3: Calculation method

Skin Sens. 1B: Calculation method

Acute Tox. 4: Calculation method

Asp. Tox. 1: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

- CONTINUED ON NEXT PAGE -



SECTION 16: OTHER INFORMATION (continued)

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

INTERCOAT
Perfect coatings since 1974

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

45051 - Aqualine White Primer

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 45051 - Aqualine White Primer
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
The product is not classified as hazardous according to GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Hazard statements:
Not relevant
Precautionary statements:
Not relevant
Supplementary information:
EUH208: Contains 1,2-Benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210: Safety data sheet available on request.
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Not relevant
- 3.2 Mixture:**
Chemical description: Aqueous mixture composed of additives, pigments and resins
Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 111-76-2 EC: 203-905-0 REACH: 01-2119475108-36-XXXX	2-butoxyethanol Acute Tox. 4: H302+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	 2.5 - <10%
CAS: 2634-33-5 EC: 220-120-9 REACH: 01-2120761540-60-XXXX	1,2-Benzisothiazol-3(2H)-one Acute Tox. 2: H330; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Danger	 <1%

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45051 - Aqualine White Primer

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration
CAS: 55965-84-9 EC: Not relevant REACH: Not relevant	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	<1% 

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral 1200 mg/kg LD50 dermal Not relevant LC50 inhalation vapour 3 mg/L	Rat
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral 450 mg/kg LD50 dermal Not relevant LC50 inhalation vapour 0.5 mg/L *	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral 64 mg/kg LD50 dermal 87.12 mg/kg LC50 inhalation vapour 1.433 mg/L *	

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

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45051 - Aqualine White Primer

SECTION 5: FIREFIGHTING MEASURES (continued)

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

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45051 - Aqualine White Primer

SECTION 7: HANDLING AND STORAGE (continued)

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
2-butoxyethanol ⁽¹⁾ CAS: 111-76-2	WEL (8h)	25 ppm	123 mg/m ³
	WEL (15 min)	50 ppm	246 mg/m ³

⁽¹⁾ Skin

Biological limit values:

BIOLOGICAL MONITORING GUIDANCE VALUES (BMGVs) - EH40/2005

Identification	NULL	NULL	NULL
2-butoxyethanol CAS: 111-76-2	280 mg/g (Creatinine)	Butoxyacetic acid in urine	Post shift

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	89 mg/kg	Not relevant	125 mg/kg	Not relevant
	Inhalation	1091 mg/m ³	246 mg/m ³	98 mg/m ³	Not relevant
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.966 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	6.81 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	6.3 mg/kg	Not relevant
	Dermal	89 mg/kg	Not relevant	75 mg/kg	Not relevant
	Inhalation	426 mg/m ³	147 mg/m ³	59 mg/m ³	Not relevant
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.345 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1.2 mg/m ³	Not relevant

PNEC:

Identification				
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	STP	463 mg/L	Fresh water	8.8 mg/L
	Soil	2.33 mg/kg	Marine water	0.88 mg/L
	Intermittent	26.4 mg/L	Sediment (Fresh water)	34.6 mg/kg
	Oral	0.02 g/kg	Sediment (Marine water)	3.46 mg/kg
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	STP	1.03 mg/L	Fresh water	0.00403 mg/L
	Soil	3 mg/kg	Marine water	0.000403 mg/L
	Intermittent	0.0011 mg/L	Sediment (Fresh water)	0.0499 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.00499 mg/kg

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45051 - Aqualine White Primer

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
	Work clothing	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	4.35 % weight
V.O.C. density at 20 °C:	58.2 kg/m ³ (58.2 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

45051 - Aqualine White Primer

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	☐ White
Odour:	Mild
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	78 - 413 °C
Vapour pressure at 20 °C:	2316 Pa
Vapour pressure at 50 °C:	12203.36 Pa (12.2 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1337.1 kg/m ³
Relative density at 20 °C:	1.337
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	77 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	204 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
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*Not relevant due to the nature of the product, not providing information property of its hazards.

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45051 - Aqualine White Primer

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Refraction index: Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

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45051 - Aqualine White Primer

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Titanium dioxide (2B: Possibly carcinogenic to humans); Talc (2A: Probably carcinogenic to humans); 2,6-di-tert-butyl-p-cresol (3: Not classifiable as to its carcinogenicity to humans); ethanol (1: Carcinogenic to humans); 2-butoxyethanol (3: Not classifiable as to its carcinogenicity to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral	1200 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour	3 mg/L	
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral	450 mg/kg	
	LD50 dermal		
	LC50 inhalation dust	0.21 mg/L	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	Rat
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation mist	0.33 mg/L	Rat

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

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45051 - Aqualine White Primer

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration	Species	Genus
2-butoxyethanol CAS: 111-76-2	LC50	1490 mg/L (96 h)	Lepomis macrochirus
	EC50	1815 mg/L (48 h)	Daphnia magna
	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	LC50	2.18 mg/L (96 h)	Oncorhynchus mykiss
	EC50	2.9 mg/L (48 h)	Daphnia magna
	EC50	0.11 mg/L (72 h)	Pseudokirchneriella subcapitata
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LC50	0.28 mg/L (96 h)	Lepomis macrochirus
	EC50	0.16 mg/L (48 h)	Daphnia magna
	EC50	0.027 mg/L (72 h)	Selenastrum capricornutum

Chronic toxicity:

Identification	Concentration	Species	Genus
2-butoxyethanol CAS: 111-76-2	NOEC	100 mg/L	Danio rerio
	NOEC	100 mg/L	Daphnia magna
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	NOEC	>0.01 - 0.1 mg/L	Fish
	NOEC	>0.01 - 0.1 mg/L	Crustacean
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NOEC	>0.001 - 0.01 mg/L	Fish
	NOEC	>0.001 - 0.01 mg/L	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability	Biodegradability
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BOD5	0.71 g O ₂ /g
	COD	2.2 g O ₂ /g
	BOD5/COD	0.32
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BOD5	Not relevant
	COD	Not relevant
	BOD5/COD	Not relevant
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BOD5	Not relevant
	COD	Not relevant
	BOD5/COD	Not relevant

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BCF	3
	Pow Log	0.83
	Potential	Low
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BCF	7
	Pow Log	0.7
	Potential	Low
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BCF	54
	Pow Log	0.75
	Potential	Moderate

12.4 Mobility in soil:

Identification	Absorption/desorption	Volatility
2-butoxyethanol CAS: 111-76-2	Koc	8
	Conclusion	Very High
	Surface tension	2.729E-2 N/m (25 °C)
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	Koc	9.33
	Conclusion	Very High
	Surface tension	Not relevant

- CONTINUED ON NEXT PAGE -

45051 - Aqualine White Primer

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	Koc	Not relevant	Henry	5E-3 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 12	waste paint and varnish other than those mentioned in 08 01 11	Non-hazardous

Type of waste:

Not relevant

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:
UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Not relevant

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.
Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits.

- CONTINUED ON NEXT PAGE -

45051 - Aqualine White Primer

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.
Acute Tox. 2: H330 - Fatal if inhaled.
Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Not relevant

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 46175 - White A/C High Opacity Primer
- Other means of identification:**
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Eye Dam. 1: Serious eye damage, Category 1, H318
Flam. Liq. 2: Flammable liquids, Category 2, H225
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Danger



Hazard statements:

Eye Dam. 1: H318 - Causes serious eye damage.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

Supplementary information:

EUH066: Repeated exposure may cause skin dryness or cracking.
EUH208: Contains Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compds. with amides from diethylenetriamine and tall-oil fatty acids, Formaldehyde. May produce an allergic reaction.

Substances that contribute to the classification

N-butyl acetate; Ethyl acetate; 2-methylpropan-1-ol; propan-2-ol

2.3 Other hazards:

- CONTINUED ON NEXT PAGE -



SECTION 2: HAZARDS IDENTIFICATION (continued)

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Mixture composed of additives and resins in solvents

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 123-86-4 EC: 204-658-1 REACH: 01-2119485493-29-XXXX	N-butyl acetate Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning	10 - <25%
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX	ethanol Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	10 - <25%
CAS: 68002-18-6 EC: Not relevant REACH: Not relevant	Urea, polymer with formaldehyde, isobutylated Aquatic Chronic 4: H413	2.5 - <10%
CAS: 141-78-6 EC: 205-500-4 REACH: 01-2119475103-46-XXXX	Ethyl acetate Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	2.5 - <10%
CAS: 78-83-1 EC: 201-148-0 REACH: 01-2119484609-23-XXXX	2-methylpropan-1-ol Eye Dam. 1: H318; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3: H335; STOT SE 3: H336 - Danger	2.5 - <10%
CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25-XXXX	propan-2-ol Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger	1 - <2.5%
CAS: 67-56-1 EC: 200-659-6 REACH: 01-2119433307-44-XXXX	methanol Acute Tox. 3: H301+H311+H331; Flam. Liq. 2: H225; STOT SE 1: H370 - Danger	<1%
CAS: 222716-38-3 EC: Not relevant REACH: Not relevant	Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compds. with amides from diethylenetriamine and tall-oil fatty acids Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT RE 2: H373 - Warning	<1%
CAS: 50-00-0 EC: 200-001-8 REACH: 01-2119488953-20-XXXX	Formaldehyde Acute Tox. 2: H330; Acute Tox. 4: H302; Carc. 1B: H350; Muta. 2: H341; Skin Corr. 1B: H314; Skin Sens. 1A: H317; EUH071 - Danger	<1%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
methanol CAS: 67-56-1 EC: 200-659-6	LD50 oral	100 mg/kg
	LD50 dermal	300 mg/kg
	LC50 inhalation vapour	3 mg/L
Formaldehyde CAS: 50-00-0 EC: 200-001-8	LD50 oral	500 mg/kg
	LD50 dermal	Not relevant
	LC50 inhalation vapour	0.5 mg/L *

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

- CONTINUED ON NEXT PAGE -



SECTION 4: FIRST AID MEASURES (continued)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit, ...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

- CONTINUED ON NEXT PAGE -

**SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)**

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters:**

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
N-butyl acetate CAS: 123-86-4	WEL (8h)	150 ppm	724 mg/m ³
	WEL (15 min)	200 ppm	966 mg/m ³
ethanol CAS: 64-17-5	WEL (8h)	1000 ppm	1920 mg/m ³
	WEL (15 min)		
Ethyl acetate CAS: 141-78-6	WEL (8h)	200 ppm	734 mg/m ³
	WEL (15 min)	400 ppm	1468 mg/m ³
2-methylpropan-1-ol CAS: 78-83-1	WEL (8h)	50 ppm	154 mg/m ³
	WEL (15 min)	75 ppm	231 mg/m ³
propan-2-ol CAS: 67-63-0	WEL (8h)	400 ppm	999 mg/m ³
	WEL (15 min)	500 ppm	1250 mg/m ³
methanol ⁽¹⁾ CAS: 67-56-1	WEL (8h)	200 ppm	266 mg/m ³
	WEL (15 min)	250 ppm	333 mg/m ³
Formaldehyde ⁽²⁾ CAS: 50-00-0	WEL (8h)	2 ppm	2.5 mg/m ³
	WEL (15 min)	2 ppm	2.5 mg/m ³

⁽¹⁾ Skin

⁽²⁾ Dermal sensitisation

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	11 mg/kg	Not relevant	11 mg/kg	Not relevant
	Inhalation	600 mg/m ³	600 mg/m ³	300 mg/m ³	300 mg/m ³
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	380 mg/m ³	Not relevant
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	63 mg/kg	Not relevant
	Inhalation	1468 mg/m ³	1468 mg/m ³	734 mg/m ³	734 mg/m ³
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	310 mg/m ³
propan-2-ol CAS: 67-63-0 EC: 200-661-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	888 mg/kg	Not relevant
	Inhalation	1000 mg/m ³	Not relevant	500 mg/m ³	Not relevant
methanol CAS: 67-56-1 EC: 200-659-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	20 mg/kg	Not relevant	20 mg/kg	Not relevant
	Inhalation	130 mg/m ³	130 mg/m ³	130 mg/m ³	130 mg/m ³
Formaldehyde CAS: 50-00-0 EC: 200-001-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	240 mg/kg	Not relevant
	Inhalation	Not relevant	0.75 mg/m ³	9 mg/m ³	0.375 mg/m ³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	Oral	2 mg/kg	Not relevant	2 mg/kg	Not relevant
	Dermal	6 mg/kg	Not relevant	6 mg/kg	Not relevant
	Inhalation	300 mg/m ³	300 mg/m ³	35.7 mg/m ³	35.7 mg/m ³
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	114 mg/m ³	Not relevant
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	Oral	Not relevant	Not relevant	4.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	37 mg/kg	Not relevant
	Inhalation	734 mg/m ³	734 mg/m ³	367 mg/m ³	367 mg/m ³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	55 mg/m ³
propan-2-ol CAS: 67-63-0 EC: 200-661-7	Oral	51 mg/kg	Not relevant	26 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	319 mg/kg	Not relevant
	Inhalation	178 mg/m ³	Not relevant	114 mg/m ³	Not relevant
methanol CAS: 67-56-1 EC: 200-659-6	Oral	4 mg/kg	Not relevant	4 mg/kg	Not relevant
	Dermal	4 mg/kg	Not relevant	4 mg/kg	Not relevant
	Inhalation	26 mg/m ³	26 mg/m ³	26 mg/m ³	26 mg/m ³
Formaldehyde CAS: 50-00-0 EC: 200-001-8	Oral	Not relevant	Not relevant	4.1 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	102 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3.2 mg/m ³	0.1 mg/m ³

PNEC:

Identification					
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	STP	35.6 mg/L	Fresh water	0.18 mg/L	
	Soil	0.09 mg/kg	Marine water	0.018 mg/L	
	Intermittent	0.36 mg/L	Sediment (Fresh water)	0.981 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.098 mg/kg	
ethanol CAS: 64-17-5 EC: 200-578-6	STP	580 mg/L	Fresh water	0.96 mg/L	
	Soil	0.63 mg/kg	Marine water	0.79 mg/L	
	Intermittent	2.75 mg/L	Sediment (Fresh water)	3.6 mg/kg	
	Oral	0.38 g/kg	Sediment (Marine water)	2.9 mg/kg	
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	STP	650 mg/L	Fresh water	0.24 mg/L	
	Soil	0.148 mg/kg	Marine water	0.024 mg/L	
	Intermittent	1.65 mg/L	Sediment (Fresh water)	1.15 mg/kg	
	Oral	0.2 g/kg	Sediment (Marine water)	0.115 mg/kg	
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	STP	10 mg/L	Fresh water	0.4 mg/L	
	Soil	0.076 mg/kg	Marine water	0.04 mg/L	
	Intermittent	11 mg/L	Sediment (Fresh water)	1.56 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.156 mg/kg	
propan-2-ol CAS: 67-63-0 EC: 200-661-7	STP	2251 mg/L	Fresh water	140.9 mg/L	
	Soil	28 mg/kg	Marine water	140.9 mg/L	
	Intermittent	140.9 mg/L	Sediment (Fresh water)	552 mg/kg	
	Oral	0.16 g/kg	Sediment (Marine water)	552 mg/kg	
methanol CAS: 67-56-1 EC: 200-659-6	STP	100 mg/L	Fresh water	20.8 mg/L	
	Soil	100 mg/kg	Marine water	2.08 mg/L	
	Intermittent	1540 mg/L	Sediment (Fresh water)	77 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	7.7 mg/kg	
Formaldehyde CAS: 50-00-0 EC: 200-001-8	STP	0.19 mg/L	Fresh water	0.44 mg/L	
	Soil	0.2 mg/kg	Marine water	0.44 mg/L	
	Intermittent	4.44 mg/L	Sediment (Fresh water)	2.3 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	2.3 mg/kg	

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	36.56 % weight
V.O.C. density at 20 °C:	445.54 kg/m ³ (445.54 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	According to the markings on the package
Odour:	Solvent
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	65 - 2230 °C
Vapour pressure at 20 °C:	5896 Pa
Vapour pressure at 50 °C:	24927.5 Pa (24.93 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1218.5 kg/m ³
Relative density at 20 °C:	1.219
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	21 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	343 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.
IARC: ethanol (1: Carcinogenic to humans); propan-2-ol (3: Not classifiable as to its carcinogenicity to humans); Xylene (3: Not classifiable as to its carcinogenicity to humans); Titanium dioxide (2B: Possibly carcinogenic to humans); Talc (2A: Probably carcinogenic to humans); Formaldehyde (1: Carcinogenic to humans)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Repeated exposure may cause skin dryness or cracking

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
ethanol CAS: 64-17-5 EC: 200-578-6	LD50 oral	6200 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour	124.7 mg/L (4 h)	Rat
methanol CAS: 67-56-1 EC: 200-659-6	LD50 oral	100 mg/kg	
	LD50 dermal	300 mg/kg	
	LC50 inhalation vapour	3 mg/L	
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	LD50 oral	3350 mg/kg	Rat
	LD50 dermal	2460 mg/kg	Rabbit
	LC50 inhalation vapour	24.6 mg/L (4 h)	Rat
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	LD50 oral	12789 mg/kg	Rat
	LD50 dermal	14112 mg/kg	Rabbit
	LC50 inhalation vapour	23.4 mg/L (4 h)	Rat
propan-2-ol CAS: 67-63-0 EC: 200-661-7	LD50 oral	5840 mg/kg	Rat
	LD50 dermal	13900 mg/kg	Rabbit
	LC50 inhalation vapour		
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	LD50 oral	4100 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour		
Formaldehyde CAS: 50-00-0 EC: 200-001-8	LD50 oral	500 mg/kg	
	LD50 dermal		
	LC50 inhalation gases	100 mg/L	

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration	Species	Genus
N-butyl acetate CAS: 123-86-4	LC50	Not relevant	
	EC50	Not relevant	
	EC50	675 mg/L (72 h)	Scenedesmus subspicatus Algae
ethanol CAS: 64-17-5	LC50	11000 mg/L (96 h)	Alburnus alburnus Fish
	EC50	9268 mg/L (48 h)	Daphnia magna Crustacean
	EC50	1450 mg/L (192 h)	Microcystis aeruginosa Algae
Ethyl acetate CAS: 141-78-6	LC50	230 mg/L (96 h)	Pimephales promelas Fish
	EC50	717 mg/L (48 h)	Daphnia magna Crustacean
	EC50	3300 mg/L (48 h)	Scenedesmus subspicatus Algae
2-methylpropan-1-ol CAS: 78-83-1	LC50	2030 mg/L (96 h)	Carassius auratus Fish
	EC50	1439 mg/L (48 h)	Daphnia magna Crustacean
	EC50	1250 mg/L (48 h)	Scenedesmus subspicatus Algae
propan-2-ol CAS: 67-63-0	LC50	9640 mg/L (96 h)	Pimephales promelas Fish
	EC50	10000 mg/L (24 h)	Daphnia magna Crustacean
	EC50	Not relevant	
methanol CAS: 67-56-1	LC50	15400 mg/L (96 h)	Lepomis macrochirus Fish
	EC50	Not relevant	
	EC50	Not relevant	
Fatty acids, tall-oil, esters with polyethylene glycol mono (hydrogen maleate), compds. with amides from diethylenetriamine and tall-oil fatty acids CAS: 222716-38-3	LC50	>0.1 - 1 mg/L (96 h)	Fish
	EC50	>0.1 - 1 mg/L (48 h)	Crustacean
	EC50	>0.1 - 1 mg/L (72 h)	Algae

Chronic toxicity:

Identification	Concentration	Species	Genus
N-butyl acetate CAS: 123-86-4	NOEC	Not relevant	
	NOEC	23.2 mg/L	Daphnia magna Crustacean
ethanol CAS: 64-17-5	NOEC	250 mg/L	Danio rerio Fish
	NOEC	2 mg/L	Ceriodaphnia dubia Crustacean
Ethyl acetate CAS: 141-78-6	NOEC	9.65 mg/L	Pimephales promelas Fish
	NOEC	2.4 mg/L	Daphnia magna Crustacean
2-methylpropan-1-ol CAS: 78-83-1	NOEC	Not relevant	
	NOEC	20 mg/L	Daphnia magna Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability	Biodegradability
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	BOD5	Not relevant
	COD	Not relevant
	BOD5/COD	Not relevant
ethanol CAS: 64-17-5 EC: 200-578-6	BOD5	Not relevant
	COD	Not relevant
	BOD5/COD	Not relevant
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	BOD5	1.36 g O2/g
	COD	1.69 g O2/g
	BOD5/COD	0.8
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	BOD5	0.4 g O2/g
	COD	2.41 g O2/g
	BOD5/COD	0.17
propan-2-ol CAS: 67-63-0 EC: 200-661-7	BOD5	1.19 g O2/g
	COD	2.23 g O2/g
	BOD5/COD	0.53

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
methanol CAS: 67-56-1 EC: 200-659-6	BOD5	1236 g O2/g	Concentration	Not relevant
	COD	Not relevant	Period	Not relevant
	BOD5/COD	Not relevant	% Biodegradable	Not relevant
Formaldehyde CAS: 50-00-0 EC: 200-001-8	BOD5	Not relevant	Concentration	10 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	99 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
N-butyl acetate CAS: 123-86-4 EC: 204-658-1	BCF	4
	Pow Log	1.78
	Potential	Low
ethanol CAS: 64-17-5 EC: 200-578-6	BCF	3
	Pow Log	-0.31
	Potential	Low
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	BCF	30
	Pow Log	0.73
	Potential	Moderate
2-methylpropan-1-ol CAS: 78-83-1 EC: 201-148-0	BCF	3
	Pow Log	0.76
	Potential	Low
propan-2-ol CAS: 67-63-0 EC: 200-661-7	BCF	3
	Pow Log	0.05
	Potential	Low
methanol CAS: 67-56-1 EC: 200-659-6	BCF	
	Pow Log	-0.77
	Potential	
Formaldehyde CAS: 50-00-0 EC: 200-001-8	BCF	3
	Pow Log	0.35
	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
N-butyl acetate CAS: 123-86-4	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	2.478E-2 N/m (25 °C)	Moist soil	Not relevant
ethanol CAS: 64-17-5	Koc	1	Henry	4.61E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.339E-2 N/m (25 °C)	Moist soil	Yes
Ethyl acetate CAS: 141-78-6	Koc	59	Henry	13.58 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.324E-2 N/m (25 °C)	Moist soil	Yes
2-methylpropan-1-ol CAS: 78-83-1	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	2.378E-2 N/m (25 °C)	Moist soil	Not relevant
propan-2-ol CAS: 67-63-0	Koc	1.5	Henry	8.207E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.24E-2 N/m (25 °C)	Moist soil	Yes
methanol CAS: 67-56-1	Koc	Not relevant	Henry	4.61E-1 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Yes
	Surface tension	2.355E-2 N/m (25 °C)	Moist soil	Yes
Formaldehyde CAS: 50-00-0	Koc	15.9	Henry	3.4E-2 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	1.416E-2 N/m (25 °C)	Moist soil	Yes

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP3 Flammable, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2025 and RID 2025:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Environmental hazards: No
14.6 Special precautions for user
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 42-24:



SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: 367, 163
EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Not relevant
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2026:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: II
14.5 Environmental hazards: No
14.6 Special precautions for user
Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000.000	50000.000

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Occupational exposure to respirable crystalline silica must be controlled pursuant to Directive (EU) 2019/130.

1. Shall not be placed on the market in articles, after 6 August 2026, if, under the test conditions specified in Appendix 14, the concentration of formaldehyde released from those articles exceeds:

- (a) 0,062 mg/m³ for furniture and wood-based articles
- (b) 0,080 mg/m³ for articles other than furniture and wood-based articles.

The first subparagraph shall not apply to:

- (a) articles in which formaldehyde or formaldehyde releasing substances are exclusively naturally present in the materials from which the articles are produced
- (b) articles that are exclusively for outdoor use under foreseeable conditions
- (c) articles in constructions, that are exclusively used outside the building shell and vapour barrier and that do not emit formaldehyde into indoor air
- (d) articles exclusively for industrial or professional use unless formaldehyde released from them leads to exposure of the general

- CONTINUED ON NEXT PAGE -

**SECTION 15: REGULATORY INFORMATION (continued)**

public under foreseeable conditions of use

(e) articles for which the restriction laid down in entry 72 applies

(f) articles that are biocidal products within the scope of Regulation (EU) No 528/2012 of the European Parliament and of the Council

(g) devices within the scope of Regulation (EU) 2017/745

(h) personal protective equipment within the scope of Regulation (EU) 2016/425

(i) articles intended to come into contact directly or indirectly with food within the scope of Regulation (EC) No 1935/2004

(j) second-hand articles.

2. Shall not be placed on the market in road vehicles after 6 August 2027 if, under the test conditions specified in Appendix 14, the concentration of formaldehyde in the interior of those vehicles exceeds 0,062 mg/m³.

The first subparagraph shall not apply to:

(a) road vehicles exclusively for industrial or professional use unless the concentration of formaldehyde in the interior of those vehicles leads to exposure of the general public under foreseeable conditions of use

(b) second-hand vehicles.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H318: Causes serious eye damage.

H336: May cause drowsiness or dizziness.

H225: Highly flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H330 - Fatal if inhaled.

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.

Acute Tox. 4: H302 - Harmful if swallowed.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.

Carc. 1B: H350 - May cause cancer.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Muta. 2: H341 - Suspected of causing genetic defects.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

STOT SE 1: H370 - Causes damage to organs.

STOT SE 3: H335 - May cause respiratory irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

- CONTINUED ON NEXT PAGE -



SECTION 16: OTHER INFORMATION (continued)

Eye Dam. 1: Calculation method
STOT SE 3: Calculation method
Flam. Liq. 2: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

INTERCOAT
Perfect coatings since 1974

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

52390 - High Gloss W/B Lacquer

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 52390 - High Gloss W/B Lacquer
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
The product is not classified as hazardous according to GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Hazard statements:
Not relevant
Precautionary statements:
Not relevant
Supplementary information:
EUH208: Contains 1,2-Benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210: Safety data sheet available on request.
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Not relevant
- 3.2 Mixture:**
Chemical description: Aqueous mixture composed of additives and acrylic resin
Components:
In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 112-34-5 EC: 203-961-6 REACH: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol Eye Irrit. 2: H319 - Warning	 2.5 - <10%
CAS: 2634-33-5 EC: 220-120-9 REACH: 01-2120761540-60-XXXX	1,2-Benzisothiazol-3(2H)-one Acute Tox. 2: H330; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Danger	 <1%

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52390 - High Gloss W/B Lacquer

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration
CAS: 55965-84-9 EC: Not relevant REACH: Not relevant	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	<1% 

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral 450 mg/kg LD50 dermal Not relevant LC50 inhalation vapour 0.5 mg/L *	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral 64 mg/kg LD50 dermal 87.12 mg/kg LC50 inhalation vapour 1.433 mg/L *	

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

- CONTINUED ON NEXT PAGE -

52390 - High Gloss W/B Lacquer

SECTION 5: FIREFIGHTING MEASURES (continued)

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

- CONTINUED ON NEXT PAGE -

52390 - High Gloss W/B Lacquer

SECTION 7: HANDLING AND STORAGE (continued)

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	WEL (8h)	10 ppm	67.5 mg/m ³
	WEL (15 min)	15 ppm	101.2 mg/m ³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	83 mg/kg	Not relevant
	Inhalation	Not relevant	101.2 mg/m ³	67.5 mg/m ³	67.5 mg/m ³
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.966 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	6.81 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	Oral	Not relevant	Not relevant	5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	50 mg/kg	Not relevant
	Inhalation	Not relevant	60.7 mg/m ³	40.5 mg/m ³	40.5 mg/m ³
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.345 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1.2 mg/m ³	Not relevant

PNEC:

Identification					
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	STP	200 mg/L	Fresh water		1.1 mg/L
	Soil	0.32 mg/kg	Marine water		0.11 mg/L
	Intermittent	11 mg/L	Sediment (Fresh water)		4.4 mg/kg
	Oral	0.056 g/kg	Sediment (Marine water)		0.44 mg/kg
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	STP	1.03 mg/L	Fresh water		0.00403 mg/L
	Soil	3 mg/kg	Marine water		0.000403 mg/L
	Intermittent	0.0011 mg/L	Sediment (Fresh water)		0.0499 mg/kg
	Oral	Not relevant	Sediment (Marine water)		0.00499 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -

52390 - High Gloss W/B Lacquer

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
	Work clothing	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	6.9 % weight
V.O.C. density at 20 °C:	71.14 kg/m ³ (71.14 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

52390 - High Gloss W/B Lacquer

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Odour:	Mild
Odour threshold:	Not relevant *
Volatility:	
Boiling point at atmospheric pressure:	78 - 1355 °C
Vapour pressure at 20 °C:	2319 Pa
Vapour pressure at 50 °C:	12216.12 Pa (12.22 kPa)
Evaporation rate at 20 °C:	Not relevant *
Product description:	
Density at 20 °C:	1030.9 kg/m ³
Relative density at 20 °C:	1.031
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Flammability:	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	189 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *
Particle characteristics:	
Median equivalent diameter:	Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

- CONTINUED ON NEXT PAGE -

52390 - High Gloss W/B Lacquer

SECTION 10: STABILITY AND REACTIVITY (continued)

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: 2,6-di-tert-butyl-p-cresol (3: Not classifiable as to its carcinogenicity to humans); ethanol (1: Carcinogenic to humans); 2-butoxyethanol (3: Not classifiable as to its carcinogenicity to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

- CONTINUED ON NEXT PAGE -

52390 - High Gloss W/B Lacquer

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral	450 mg/kg	
	LD50 dermal		
	LC50 inhalation dust	0.21 mg/L	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	Rat
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation mist	0.33 mg/L	Rat

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration	Species	Genus
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	LC50	1300 mg/L (96 h)	Lepomis macrochirus
	EC50	2850 mg/L (24 h)	Daphnia magna
	EC50	53 mg/L (192 h)	Microcystis aeruginosa
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	LC50	2.18 mg/L (96 h)	Oncorhynchus mykiss
	EC50	2.9 mg/L (48 h)	Daphnia magna
	EC50	0.11 mg/L (72 h)	Pseudokirchneriella subcapitata
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LC50	0.28 mg/L (96 h)	Lepomis macrochirus
	EC50	0.16 mg/L (48 h)	Daphnia magna
	EC50	0.027 mg/L (72 h)	Selenastrum capricornutum

Chronic toxicity:

Identification	Concentration	Species	Genus
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	NOEC	>0.01 - 0.1 mg/L	Fish
	NOEC	>0.01 - 0.1 mg/L	Crustacean
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NOEC	>0.001 - 0.01 mg/L	Fish
	NOEC	>0.001 - 0.01 mg/L	Crustacean

12.2 Persistence and degradability:

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52390 - High Gloss W/B Lacquer

SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Degradability		Biodegradability	
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	BOD5	0.25 g O ₂ /g	Concentration	100 mg/L
	COD	2.08 g O ₂ /g	Period	28 days
	BOD5/COD	0.12	% Biodegradable	92 %
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BOD5	Not relevant	Concentration	1 mg/L
	COD	Not relevant	Period	63 days
	BOD5/COD	Not relevant	% Biodegradable	85 %
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BOD5	Not relevant	Concentration	0.3 mg/L
	COD	Not relevant	Period	29 days
	BOD5/COD	Not relevant	% Biodegradable	38.8 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	BCF	0.46
	Pow Log	0.56
	Potential	Low
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BCF	7
	Pow Log	0.7
	Potential	Low
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BCF	54
	Pow Log	0.75
	Potential	Moderate

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	Koc	48	Henry	7.2E-9 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	3.395E-2 N/m (25 °C)	Moist soil	Not relevant
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	Koc	9.33	Henry	Not relevant
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	Koc	Not relevant	Henry	5E-3 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 12	waste paint and varnish other than those mentioned in 08 01 11	Non-hazardous

Type of waste:

Not relevant

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

- CONTINUED ON NEXT PAGE -

52390 - High Gloss W/B Lacquer

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Not relevant

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Contains more than 3 % of 2-(2-butoxyethoxy)ethanol by weight. 1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight. 2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010. 3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows: 'Do not use in paint spraying equipment'.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.

Acute Tox. 2: H330 - Fatal if inhaled.

Acute Tox. 3: H301 - Toxic if swallowed.

Acute Tox. 4: H302 - Harmful if swallowed.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

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SECTION 16: OTHER INFORMATION (continued)

Not relevant

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

INTERCOAT
Perfect coatings since 1974

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 54112 - New Medium Oak W/B Stain
- Other means of identification:**
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Wood stain
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Sens. 1: Sensitisation, skin, Category 1, H317

2.2 Label elements:

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

Supplementary information:

Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).

Substances that contribute to the classification

C.I. Acid yellow 220

2.3 Other hazards:

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Aqueous mixture composed of additives, pigments and resins

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 107-98-2 EC: 203-539-1 REACH: 01-2119457435-35-XXXX	1-methoxy-2-propanol Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	  10 - <25%
CAS: 112-34-5 EC: 203-961-6 REACH: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol Eye Irrit. 2: H319 - Warning	 10 - <25%
CAS: 70851-34-2 EC: 274-929-7 REACH: Not relevant	C.I. Acid yellow 220 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1: H317 - Warning	  1 - <2.5%
CAS: 55965-84-9 EC: Not relevant REACH: Not relevant	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	    <1%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg
	LD50 dermal	87.12 mg/kg
	LC50 inhalation vapour	1.433 mg/L *

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes on the skin (stinging, redness, rashes, blisters), seek medical advice with this Safety Data Sheet

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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SECTION 4: FIRST AID MEASURES (continued)

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification		Occupational exposure limits		
1-methoxy-2-propanol ⁽¹⁾ CAS: 107-98-2		WEL (8h)	100 ppm	375 mg/m ³
		WEL (15 min)	150 ppm	560 mg/m ³
2-(2-butoxyethoxy)ethanol CAS: 112-34-5		WEL (8h)	10 ppm	67.5 mg/m ³
		WEL (15 min)	15 ppm	101.2 mg/m ³

⁽¹⁾ Skin

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	183 mg/kg	Not relevant
	Inhalation	553.5 mg/m ³	553.5 mg/m ³	369 mg/m ³	Not relevant
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	83 mg/kg	Not relevant
	Inhalation	Not relevant	101.2 mg/m ³	67.5 mg/m ³	67.5 mg/m ³

DNEL (General population):

- CONTINUED ON NEXT PAGE -


SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	Oral	Not relevant	Not relevant	33 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	78 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	43.9 mg/m ³	Not relevant
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	Oral	Not relevant	Not relevant	5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	50 mg/kg	Not relevant
	Inhalation	Not relevant	60.7 mg/m ³	40.5 mg/m ³	40.5 mg/m ³

PNEC:

Identification					
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	STP	100 mg/L	Fresh water	10 mg/L	
	Soil	4.59 mg/kg	Marine water	1 mg/L	
	Intermittent	100 mg/L	Sediment (Fresh water)	52.3 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	5.2 mg/kg	
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	STP	200 mg/L	Fresh water	1.1 mg/L	
	Soil	0.32 mg/kg	Marine water	0.11 mg/L	
	Intermittent	11 mg/L	Sediment (Fresh water)	4.4 mg/kg	
	Oral	0.056 g/kg	Sediment (Marine water)	0.44 mg/kg	

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+ A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Antistatic and fireproof protective clothing	Limited protection against flames.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	22.92 % weight
V.O.C. density at 20 °C:	231.87 kg/m ³ (231.87 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	Not relevant *
Odour:	Mild
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	100 - 231 °C
Vapour pressure at 20 °C:	2270 Pa
Vapour pressure at 50 °C:	11959.85 Pa (11.96 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1011.6 kg/m ³
Relative density at 20 °C:	1.012
Dynamic viscosity at 20 °C:	1.23 mPa·s
Kinematic viscosity at 20 °C:	1.21 mm ² /s
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Decomposition temperature: Not relevant *

Melting point/freezing point: Not relevant *

Flammability:

Flash Point: 45 °C

Flammability (solid, gas): Not relevant *

Autoignition temperature: 204 °C

Lower flammability limit: Not relevant *

Upper flammability limit: Not relevant *

Particle characteristics:

Median equivalent diameter: Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties: Not relevant *

Oxidising properties: Not relevant *

Corrosive to metals: Not relevant *

Heat of combustion: Not relevant *

Aerosols-total percentage (by mass) of flammable components: Not relevant *

Other safety characteristics:

Surface tension at 20 °C: Not relevant *

Refraction index: Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Causes serious eye irritation.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Not relevant
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	LD50 oral	4016 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour		
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	Rat
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation mist	0.33 mg/L	Rat

11.2 Information on other hazards:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration	Species	Genus
1-methoxy-2-propanol CAS: 107-98-2	LC50	20800 mg/L (96 h)	Pimephales promelas
	EC50	23300 mg/L (48 h)	Daphnia magna
	EC50	1000 mg/L (168 h)	Selenastrum capricornutum
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	LC50	1300 mg/L (96 h)	Lepomis macrochirus
	EC50	2850 mg/L (24 h)	Daphnia magna
	EC50	53 mg/L (192 h)	Microcystis aeruginosa
C.I. Acid yellow 220 CAS: 70851-34-2	LC50	>0.1 - 1 mg/L (96 h)	Fish
	EC50	>0.1 - 1 mg/L (48 h)	Crustacean
	EC50	>0.1 - 1 mg/L (72 h)	Algae
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LC50	0.28 mg/L (96 h)	Lepomis macrochirus
	EC50	0.16 mg/L (48 h)	Daphnia magna
	EC50	0.027 mg/L (72 h)	Selenastrum capricornutum

Chronic toxicity:

Identification	Concentration	Species	Genus
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NOEC	>0.001 - 0.01 mg/L	Fish
	NOEC	>0.001 - 0.01 mg/L	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability	Biodegradability
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	BOD5	Not relevant
	COD	Not relevant
	BOD5/COD	Not relevant
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	BOD5	0.25 g O2/g
	COD	2.08 g O2/g
	BOD5/COD	0.12
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BOD5	Not relevant
	COD	Not relevant
	BOD5/COD	Not relevant

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential
1-methoxy-2-propanol CAS: 107-98-2 EC: 203-539-1	BCF
	Pow Log
	Potential
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	BCF
	Pow Log
	Potential
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BCF
	Pow Log
	Potential

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	Koc	48	Henry	7.2E-9 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	3.395E-2 N/m (25 °C)	Moist soil	Not relevant
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	Koc	Not relevant	Henry	5E-3 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP14 Ecotoxic, HP3 Flammable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2025 and RID 2025:



- 14.1 UN number:** UN1263
- 14.2 UN proper shipping name:** PAINT
- 14.3 Transport hazard class(es):** 3
- Labels:** 3
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
 - Tunnel restriction code: D/E
 - Physico-Chemical properties: see section 9
 - Limited quantities: 5 L
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 42-24:



SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Marine pollutant: No
14.6 Special precautions for user
Special regulations: 223, 955, 163, 367
EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Not relevant
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2026:



- 14.1 UN number:** UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
Physico-Chemical properties: see section 9
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000.000	50000.000

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Contains more than 3 % of 2-(2-butoxyethoxy)ethanol by weight. 1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight. 2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010. 3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows: 'Do not use in paint spraying equipment'.

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

- CONTINUED ON NEXT PAGE -

**SECTION 15: REGULATORY INFORMATION (continued)**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects.

H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.

Acute Tox. 3: H301 - Toxic if swallowed.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Eye Irrit. 2: Calculation method

Skin Sens. 1: Calculation method

Aquatic Chronic 3: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

- CONTINUED ON NEXT PAGE -



INTERCOAT
Perfect coatings since 1974

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

57588 - Barbie Pink 40% W/B Enamel

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 57588 - Barbie Pink 40% W/B Enamel
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
The product is not classified as hazardous according to GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Hazard statements:
Not relevant
Precautionary statements:
Not relevant
Supplementary information:
EUH208: Contains 1,2-Benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210: Safety data sheet available on request.
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Not relevant
- 3.2 Mixture:**
Chemical description: Aqueous mixture composed of additives, pigments and resins
Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 111-76-2 EC: 203-905-0 REACH: 01-2119475108-36-XXXX	2-butoxyethanol Acute Tox. 4: H302+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	2.5 - <10%
CAS: 112-34-5 EC: 203-961-6 REACH: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol Eye Irrit. 2: H319 - Warning	1 - <2.5%

- CONTINUED ON NEXT PAGE -

57588 - Barbie Pink 40% W/B Enamel

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration
CAS: 2634-33-5 EC: 220-120-9 REACH: 01-2120761540-60-XXXX	1,2-Benzisothiazol-3(2H)-one Acute Tox. 2: H330; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Danger	<1%
CAS: 55965-84-9 EC: Not relevant REACH: Not relevant	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	<1%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral 1200 mg/kg LD50 dermal Not relevant LC50 inhalation vapour 3 mg/L	Rat
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral 450 mg/kg LD50 dermal Not relevant LC50 inhalation vapour 0.5 mg/L *	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral 64 mg/kg LD50 dermal 87.12 mg/kg LC50 inhalation vapour 1.433 mg/L *	

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

- CONTINUED ON NEXT PAGE -

57588 - Barbie Pink 40% W/B Enamel

SECTION 7: HANDLING AND STORAGE (continued)

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
2-butoxyethanol ⁽¹⁾ CAS: 111-76-2	WEL (8h)	25 ppm	123 mg/m ³
	WEL (15 min)	50 ppm	246 mg/m ³
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	WEL (8h)	10 ppm	67.5 mg/m ³
	WEL (15 min)	15 ppm	101.2 mg/m ³

⁽¹⁾ Skin

Biological limit values:

BIOLOGICAL MONITORING GUIDANCE VALUES (BMGVs) - EH40/2005

Identification	NULL	NULL	NULL
2-butoxyethanol CAS: 111-76-2	280 mg/g (Creatinine)	Butoxyacetic acid in urine	Post shift

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	89 mg/kg	Not relevant	125 mg/kg	Not relevant
	Inhalation	1091 mg/m ³	246 mg/m ³	98 mg/m ³	Not relevant
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	83 mg/kg	Not relevant
	Inhalation	Not relevant	101.2 mg/m ³	67.5 mg/m ³	67.5 mg/m ³
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.966 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	6.81 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	6.3 mg/kg	Not relevant
	Dermal	89 mg/kg	Not relevant	75 mg/kg	Not relevant
	Inhalation	426 mg/m ³	147 mg/m ³	59 mg/m ³	Not relevant
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	Oral	Not relevant	Not relevant	5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	50 mg/kg	Not relevant
	Inhalation	Not relevant	60.7 mg/m ³	40.5 mg/m ³	40.5 mg/m ³

- CONTINUED ON NEXT PAGE -

57588 - Barbie Pink 40% W/B Enamel

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.345 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1.2 mg/m ³	Not relevant

PNEC:

Identification					
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	STP	463 mg/L	Fresh water	8.8 mg/L	
	Soil	2.33 mg/kg	Marine water	0.88 mg/L	
	Intermittent	26.4 mg/L	Sediment (Fresh water)	34.6 mg/kg	
	Oral	0.02 g/kg	Sediment (Marine water)	3.46 mg/kg	
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	STP	200 mg/L	Fresh water	1.1 mg/L	
	Soil	0.32 mg/kg	Marine water	0.11 mg/L	
	Intermittent	11 mg/L	Sediment (Fresh water)	4.4 mg/kg	
	Oral	0.056 g/kg	Sediment (Marine water)	0.44 mg/kg	
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	STP	1.03 mg/L	Fresh water	0.00403 mg/L	
	Soil	3 mg/kg	Marine water	0.000403 mg/L	
	Intermittent	0.0011 mg/L	Sediment (Fresh water)	0.0499 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.00499 mg/kg	

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+ A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
	Work clothing	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

- CONTINUED ON NEXT PAGE -

57588 - Barbie Pink 40% W/B Enamel

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
	Anti-slip work shoes	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	6.36 % weight
V.O.C. density at 20 °C:	72.66 kg/m ³ (72.66 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	According to the markings on the package
Odour:	Mild
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	78 - 1355 °C
Vapour pressure at 20 °C:	2310 Pa
Vapour pressure at 50 °C:	12174.56 Pa (12.17 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1142.9 kg/m ³
Relative density at 20 °C:	1.143
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

57588 - Barbie Pink 40% W/B Enamel

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Melting point/freezing point: Not relevant *

Flammability:

Flash Point: 84 °C

Flammability (solid, gas): Not relevant *

Autoignition temperature: 204 °C

Lower flammability limit: Not relevant *

Upper flammability limit: Not relevant *

Particle characteristics:

Median equivalent diameter: Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties: Not relevant *

Oxidising properties: Not relevant *

Corrosive to metals: Not relevant *

Heat of combustion: Not relevant *

Aerosols-total percentage (by mass) of flammable components: Not relevant *

Other safety characteristics:

Surface tension at 20 °C: Not relevant *

Refraction index: Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health.

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
- IARC: 2-butoxyethanol (3: Not classifiable as to its carcinogenicity to humans); Toluene (3: Not classifiable as to its carcinogenicity to humans); 2,6-di-tert-butyl-p-cresol (3: Not classifiable as to its carcinogenicity to humans); ethanol (1: Carcinogenic to humans); Titanium dioxide (2B: Possibly carcinogenic to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral	1200 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour	3 mg/L	

- CONTINUED ON NEXT PAGE -

57588 - Barbie Pink 40% W/B Enamel

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral	450 mg/kg	
	LD50 dermal		
	LC50 inhalation dust	0.21 mg/L	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	Rat
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation mist	0.33 mg/L	Rat

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-butoxyethanol CAS: 111-76-2	LC50	1490 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	1815 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	LC50	1300 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	2850 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	53 mg/L (192 h)	Microcystis aeruginosa	Algae
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	LC50	2.18 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	2.9 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.11 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LC50	0.28 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	0.16 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.027 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
2-butoxyethanol CAS: 111-76-2	NOEC	100 mg/L	Danio rerio	Fish
	NOEC	100 mg/L	Daphnia magna	Crustacean
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	NOEC	>0.01 - 0.1 mg/L		Fish
	NOEC	>0.01 - 0.1 mg/L		Crustacean
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NOEC	>0.001 - 0.01 mg/L		Fish
	NOEC	>0.001 - 0.01 mg/L		Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BOD5	0.71 g O2/g	Concentration	100 mg/L
	COD	2.2 g O2/g	Period	14 days
	BOD5/COD	0.32	% Biodegradable	96 %
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	BOD5	0.25 g O2/g	Concentration	100 mg/L
	COD	2.08 g O2/g	Period	28 days
	BOD5/COD	0.12	% Biodegradable	92 %
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BOD5	Not relevant	Concentration	1 mg/L
	COD	Not relevant	Period	63 days
	BOD5/COD	Not relevant	% Biodegradable	85 %

- CONTINUED ON NEXT PAGE -

57588 - Barbie Pink 40% W/B Enamel

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BOD5	Not relevant	Concentration	0.3 mg/L
	COD	Not relevant	Period	29 days
	BOD5/COD	Not relevant	% Biodegradable	38.8 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BCF	3
	Pow Log	0.83
	Potential	Low
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	BCF	0.46
	Pow Log	0.56
	Potential	Low
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BCF	7
	Pow Log	0.7
	Potential	Low
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BCF	54
	Pow Log	0.75
	Potential	Moderate

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-butoxyethanol CAS: 111-76-2	Koc	8	Henry	1.621E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	2.729E-2 N/m (25 °C)	Moist soil	Yes
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	Koc	48	Henry	7.2E-9 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	3.395E-2 N/m (25 °C)	Moist soil	Not relevant
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	Koc	9.33	Henry	Not relevant
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	Koc	Not relevant	Henry	5E-3 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP6 Acute Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

57588 - Barbie Pink 40% W/B Enamel

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of UK REACH the provisions related to waste management are stated:
UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Not relevant

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.

Acute Tox. 2: H330 - Fatal if inhaled.

Acute Tox. 3: H301 - Toxic if swallowed.

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Not relevant

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

INTERCOAT
Perfect coatings since 1974

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

57589 - White 40% GI W/B Enamel

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 57589 - White 40% GI W/B Enamel
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
The product is not classified as hazardous according to GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Hazard statements:
Not relevant
Precautionary statements:
Not relevant
Supplementary information:
EUH208: Contains 1,2-Benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210: Safety data sheet available on request.
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Not relevant
- 3.2 Mixture:**
Chemical description: Aqueous mixture composed of additives, pigments and resins
Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 111-76-2 EC: 203-905-0 REACH: 01-2119475108-36-XXXX	2-butoxyethanol Acute Tox. 4: H302+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	2.5 - <10%
CAS: 112-34-5 EC: 203-961-6 REACH: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol Eye Irrit. 2: H319 - Warning	1 - <2.5%

- CONTINUED ON NEXT PAGE -

57589 - White 40% GI W/B Enamel

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration
CAS: 2634-33-5 EC: 220-120-9 REACH: 01-2120761540-60-XXXX	1,2-Benzisothiazol-3(2H)-one Acute Tox. 2: H330; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Danger	<1%
CAS: 55965-84-9 EC: Not relevant REACH: Not relevant	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	<1%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral 1200 mg/kg LD50 dermal Not relevant LC50 inhalation vapour 3 mg/L	Rat
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral 450 mg/kg LD50 dermal Not relevant LC50 inhalation vapour 0.5 mg/L *	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral 64 mg/kg LD50 dermal 87.12 mg/kg LC50 inhalation vapour 1.433 mg/L *	

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

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SECTION 5: FIREFIGHTING MEASURES (continued)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

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SECTION 7: HANDLING AND STORAGE (continued)

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
2-butoxyethanol ⁽¹⁾ CAS: 111-76-2	WEL (8h)	25 ppm	123 mg/m ³
	WEL (15 min)	50 ppm	246 mg/m ³
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	WEL (8h)	10 ppm	67.5 mg/m ³
	WEL (15 min)	15 ppm	101.2 mg/m ³

⁽¹⁾ Skin

Biological limit values:

BIOLOGICAL MONITORING GUIDANCE VALUES (BMGVs) - EH40/2005

Identification	NULL	NULL	NULL
2-butoxyethanol CAS: 111-76-2	280 mg/g (Creatinine)	Butoxyacetic acid in urine	Post shift

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	89 mg/kg	Not relevant	125 mg/kg	Not relevant
	Inhalation	1091 mg/m ³	246 mg/m ³	98 mg/m ³	Not relevant
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	83 mg/kg	Not relevant
	Inhalation	Not relevant	101.2 mg/m ³	67.5 mg/m ³	67.5 mg/m ³
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.966 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	6.81 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	6.3 mg/kg	Not relevant
	Dermal	89 mg/kg	Not relevant	75 mg/kg	Not relevant
	Inhalation	426 mg/m ³	147 mg/m ³	59 mg/m ³	Not relevant
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	Oral	Not relevant	Not relevant	5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	50 mg/kg	Not relevant
	Inhalation	Not relevant	60.7 mg/m ³	40.5 mg/m ³	40.5 mg/m ³

- CONTINUED ON NEXT PAGE -

57589 - White 40% GI W/B Enamel

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.345 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1.2 mg/m ³	Not relevant

PNEC:

Identification					
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	STP	463 mg/L	Fresh water	8.8 mg/L	
	Soil	2.33 mg/kg	Marine water	0.88 mg/L	
	Intermittent	26.4 mg/L	Sediment (Fresh water)	34.6 mg/kg	
	Oral	0.02 g/kg	Sediment (Marine water)	3.46 mg/kg	
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	STP	200 mg/L	Fresh water	1.1 mg/L	
	Soil	0.32 mg/kg	Marine water	0.11 mg/L	
	Intermittent	11 mg/L	Sediment (Fresh water)	4.4 mg/kg	
	Oral	0.056 g/kg	Sediment (Marine water)	0.44 mg/kg	
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	STP	1.03 mg/L	Fresh water	0.00403 mg/L	
	Soil	3 mg/kg	Marine water	0.000403 mg/L	
	Intermittent	0.0011 mg/L	Sediment (Fresh water)	0.0499 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.00499 mg/kg	

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+ A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
	Work clothing	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

- CONTINUED ON NEXT PAGE -

57589 - White 40% GI W/B Enamel

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
	Anti-slip work shoes	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	6.36 % weight
V.O.C. density at 20 °C:	72.66 kg/m ³ (72.66 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	According to the markings on the package
Odour:	Mild
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	78 - 1355 °C
Vapour pressure at 20 °C:	2310 Pa
Vapour pressure at 50 °C:	12174.56 Pa (12.17 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1142.9 kg/m ³
Relative density at 20 °C:	1.143
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

57589 - White 40% GI W/B Enamel

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Melting point/freezing point: Not relevant *

Flammability:

Flash Point: 84 °C

Flammability (solid, gas): Not relevant *

Autoignition temperature: 204 °C

Lower flammability limit: Not relevant *

Upper flammability limit: Not relevant *

Particle characteristics:

Median equivalent diameter: Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties: Not relevant *

Oxidising properties: Not relevant *

Corrosive to metals: Not relevant *

Heat of combustion: Not relevant *

Aerosols-total percentage (by mass) of flammable components: Not relevant *

Other safety characteristics:

Surface tension at 20 °C: Not relevant *

Refraction index: Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
- IARC: 2-butoxyethanol (3: Not classifiable as to its carcinogenicity to humans); Toluene (3: Not classifiable as to its carcinogenicity to humans); 2,6-di-tert-butyl-p-cresol (3: Not classifiable as to its carcinogenicity to humans); ethanol (1: Carcinogenic to humans); Titanium dioxide (2B: Possibly carcinogenic to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral	1200 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour	3 mg/L	

- CONTINUED ON NEXT PAGE -

57589 - White 40% GI W/B Enamel

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral	450 mg/kg	
	LD50 dermal		
	LC50 inhalation dust	0.21 mg/L	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	Rat
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation mist	0.33 mg/L	Rat

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-butoxyethanol CAS: 111-76-2	LC50	1490 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	1815 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	LC50	1300 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	2850 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	53 mg/L (192 h)	Microcystis aeruginosa	Algae
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	LC50	2.18 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	2.9 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.11 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LC50	0.28 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	0.16 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.027 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
2-butoxyethanol CAS: 111-76-2	NOEC	100 mg/L	Danio rerio	Fish
	NOEC	100 mg/L	Daphnia magna	Crustacean
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	NOEC	>0.01 - 0.1 mg/L		Fish
	NOEC	>0.01 - 0.1 mg/L		Crustacean
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NOEC	>0.001 - 0.01 mg/L		Fish
	NOEC	>0.001 - 0.01 mg/L		Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BOD5	0.71 g O2/g	Concentration	100 mg/L
	COD	2.2 g O2/g	Period	14 days
	BOD5/COD	0.32	% Biodegradable	96 %
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	BOD5	0.25 g O2/g	Concentration	100 mg/L
	COD	2.08 g O2/g	Period	28 days
	BOD5/COD	0.12	% Biodegradable	92 %
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BOD5	Not relevant	Concentration	1 mg/L
	COD	Not relevant	Period	63 days
	BOD5/COD	Not relevant	% Biodegradable	85 %

- CONTINUED ON NEXT PAGE -

57589 - White 40% GI W/B Enamel

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BOD5	Not relevant	Concentration	0.3 mg/L
	COD	Not relevant	Period	29 days
	BOD5/COD	Not relevant	% Biodegradable	38.8 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BCF	3
	Pow Log	0.83
	Potential	Low
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	BCF	0.46
	Pow Log	0.56
	Potential	Low
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BCF	7
	Pow Log	0.7
	Potential	Low
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BCF	54
	Pow Log	0.75
	Potential	Moderate

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-butoxyethanol CAS: 111-76-2	Koc	8	Henry	1.621E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	2.729E-2 N/m (25 °C)	Moist soil	Yes
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	Koc	48	Henry	7.2E-9 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	3.395E-2 N/m (25 °C)	Moist soil	Not relevant
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	Koc	9.33	Henry	Not relevant
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	Koc	Not relevant	Henry	5E-3 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP6 Acute Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

57589 - White 40% GI W/B Enamel

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of UK REACH the provisions related to waste management are stated:
UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Not relevant

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.

Acute Tox. 2: H330 - Fatal if inhaled.

Acute Tox. 3: H301 - Toxic if swallowed.

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Not relevant

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

INTERCOAT
Perfect coatings since 1974

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

57849 - Light Blue 40% W/B Enamel

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 57849 - Light Blue 40% W/B Enamel
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
The product is not classified as hazardous according to GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Hazard statements:
Not relevant
Precautionary statements:
Not relevant
Supplementary information:
EUH208: Contains 1,2-Benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210: Safety data sheet available on request.
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Not relevant
- 3.2 Mixture:**
Chemical description: Aqueous mixture composed of additives, pigments and resins
Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 111-76-2 EC: 203-905-0 REACH: 01-2119475108-36-XXXX	2-butoxyethanol Acute Tox. 4: H302+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	2.5 - <10%
CAS: 112-34-5 EC: 203-961-6 REACH: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol Eye Irrit. 2: H319 - Warning	1 - <2.5%

- CONTINUED ON NEXT PAGE -

57849 - Light Blue 40% W/B Enamel

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration
CAS: 2634-33-5 EC: 220-120-9 REACH: 01-2120761540-60-XXXX	1,2-Benzisothiazol-3(2H)-one Acute Tox. 2: H330; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Danger	<1%
CAS: 55965-84-9 EC: Not relevant REACH: Not relevant	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	<1%

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral 1200 mg/kg LD50 dermal Not relevant LC50 inhalation vapour 3 mg/L	Rat
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral 450 mg/kg LD50 dermal Not relevant LC50 inhalation vapour 0.5 mg/L *	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral 64 mg/kg LD50 dermal 87.12 mg/kg LC50 inhalation vapour 1.433 mg/L *	

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

- CONTINUED ON NEXT PAGE -

57849 - Light Blue 40% W/B Enamel

SECTION 7: HANDLING AND STORAGE (continued)

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
2-butoxyethanol ⁽¹⁾ CAS: 111-76-2	WEL (8h)	25 ppm	123 mg/m ³
	WEL (15 min)	50 ppm	246 mg/m ³
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	WEL (8h)	10 ppm	67.5 mg/m ³
	WEL (15 min)	15 ppm	101.2 mg/m ³

⁽¹⁾ Skin

Biological limit values:

BIOLOGICAL MONITORING GUIDANCE VALUES (BMGVs) - EH40/2005

Identification	NULL	NULL	NULL
2-butoxyethanol CAS: 111-76-2	280 mg/g (Creatinine)	Butoxyacetic acid in urine	Post shift

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	89 mg/kg	Not relevant	125 mg/kg	Not relevant
	Inhalation	1091 mg/m ³	246 mg/m ³	98 mg/m ³	Not relevant
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	83 mg/kg	Not relevant
	Inhalation	Not relevant	101.2 mg/m ³	67.5 mg/m ³	67.5 mg/m ³
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.966 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	6.81 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	6.3 mg/kg	Not relevant
	Dermal	89 mg/kg	Not relevant	75 mg/kg	Not relevant
	Inhalation	426 mg/m ³	147 mg/m ³	59 mg/m ³	Not relevant
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	Oral	Not relevant	Not relevant	5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	50 mg/kg	Not relevant
	Inhalation	Not relevant	60.7 mg/m ³	40.5 mg/m ³	40.5 mg/m ³

- CONTINUED ON NEXT PAGE -

57849 - Light Blue 40% W/B Enamel

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.345 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1.2 mg/m ³	Not relevant

PNEC:

Identification					
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	STP	463 mg/L	Fresh water	8.8 mg/L	
	Soil	2.33 mg/kg	Marine water	0.88 mg/L	
	Intermittent	26.4 mg/L	Sediment (Fresh water)	34.6 mg/kg	
	Oral	0.02 g/kg	Sediment (Marine water)	3.46 mg/kg	
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	STP	200 mg/L	Fresh water	1.1 mg/L	
	Soil	0.32 mg/kg	Marine water	0.11 mg/L	
	Intermittent	11 mg/L	Sediment (Fresh water)	4.4 mg/kg	
	Oral	0.056 g/kg	Sediment (Marine water)	0.44 mg/kg	
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	STP	1.03 mg/L	Fresh water	0.00403 mg/L	
	Soil	3 mg/kg	Marine water	0.000403 mg/L	
	Intermittent	0.0011 mg/L	Sediment (Fresh water)	0.0499 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.00499 mg/kg	

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+ A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
	Work clothing	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

- CONTINUED ON NEXT PAGE -

57849 - Light Blue 40% W/B Enamel

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Remarks
	Anti-slip work shoes	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	6.36 % weight
V.O.C. density at 20 °C:	72.66 kg/m ³ (72.66 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	According to the markings on the package
Odour:	Mild
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	78 - 1355 °C
Vapour pressure at 20 °C:	2310 Pa
Vapour pressure at 50 °C:	12174.56 Pa (12.17 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1142.9 kg/m ³
Relative density at 20 °C:	1.143
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

57849 - Light Blue 40% W/B Enamel

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Melting point/freezing point: Not relevant *

Flammability:

Flash Point: 84 °C

Flammability (solid, gas): Not relevant *

Autoignition temperature: 204 °C

Lower flammability limit: Not relevant *

Upper flammability limit: Not relevant *

Particle characteristics:

Median equivalent diameter: Not relevant *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties: Not relevant *

Oxidising properties: Not relevant *

Corrosive to metals: Not relevant *

Heat of combustion: Not relevant *

Aerosols-total percentage (by mass) of flammable components: Not relevant *

Other safety characteristics:

Surface tension at 20 °C: Not relevant *

Refraction index: Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health.

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
- IARC: 2-butoxyethanol (3: Not classifiable as to its carcinogenicity to humans); Toluene (3: Not classifiable as to its carcinogenicity to humans); 2,6-di-tert-butyl-p-cresol (3: Not classifiable as to its carcinogenicity to humans); ethanol (1: Carcinogenic to humans); Titanium dioxide (2B: Possibly carcinogenic to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral	1200 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour	3 mg/L	

- CONTINUED ON NEXT PAGE -

57849 - Light Blue 40% W/B Enamel

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral	450 mg/kg	
	LD50 dermal		
	LC50 inhalation dust	0.21 mg/L	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	Rat
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation mist	0.33 mg/L	Rat

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-butoxyethanol CAS: 111-76-2	LC50	1490 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	1815 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	LC50	1300 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	2850 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	53 mg/L (192 h)	Microcystis aeruginosa	Algae
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	LC50	2.18 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	2.9 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.11 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LC50	0.28 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	0.16 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.027 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
2-butoxyethanol CAS: 111-76-2	NOEC	100 mg/L	Danio rerio	Fish
	NOEC	100 mg/L	Daphnia magna	Crustacean
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	NOEC	>0.01 - 0.1 mg/L		Fish
	NOEC	>0.01 - 0.1 mg/L		Crustacean
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NOEC	>0.001 - 0.01 mg/L		Fish
	NOEC	>0.001 - 0.01 mg/L		Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BOD5	0.71 g O2/g	Concentration	100 mg/L
	COD	2.2 g O2/g	Period	14 days
	BOD5/COD	0.32	% Biodegradable	96 %
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	BOD5	0.25 g O2/g	Concentration	100 mg/L
	COD	2.08 g O2/g	Period	28 days
	BOD5/COD	0.12	% Biodegradable	92 %
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BOD5	Not relevant	Concentration	1 mg/L
	COD	Not relevant	Period	63 days
	BOD5/COD	Not relevant	% Biodegradable	85 %

- CONTINUED ON NEXT PAGE -

57849 - Light Blue 40% W/B Enamel

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BOD5	Not relevant	Concentration	0.3 mg/L
	COD	Not relevant	Period	29 days
	BOD5/COD	Not relevant	% Biodegradable	38.8 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BCF	3
	Pow Log	0.83
	Potential	Low
2-(2-butoxyethoxy)ethanol CAS: 112-34-5 EC: 203-961-6	BCF	0.46
	Pow Log	0.56
	Potential	Low
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BCF	7
	Pow Log	0.7
	Potential	Low
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BCF	54
	Pow Log	0.75
	Potential	Moderate

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-butoxyethanol CAS: 111-76-2	Koc	8	Henry	1.621E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	2.729E-2 N/m (25 °C)	Moist soil	Yes
2-(2-butoxyethoxy)ethanol CAS: 112-34-5	Koc	48	Henry	7.2E-9 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	3.395E-2 N/m (25 °C)	Moist soil	Not relevant
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	Koc	9.33	Henry	Not relevant
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	Koc	Not relevant	Henry	5E-3 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP6 Acute Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

57849 - Light Blue 40% W/B Enamel

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of UK REACH the provisions related to waste management are stated:
UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Not relevant

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.

Acute Tox. 2: H330 - Fatal if inhaled.

Acute Tox. 3: H301 - Toxic if swallowed.

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Not relevant

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

INTERCOAT
Perfect coatings since 1974

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

58990 - W/B Gloss Casket Lacquer

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** 58990 - W/B Gloss Casket Lacquer
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (Industrial user): Industrial paint
For Industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Intercoat Industrial Paints Limited
Bridgeman Street
WS29NW Walsall - United Kingdom
Phone: 01922638821
sales@intercoat-paints.co.uk
www.intercoat-paints.co.uk
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
The product is not classified as hazardous according to GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Hazard statements:
Not relevant
Precautionary statements:
Not relevant
Supplementary information:
EUH208: Contains 1,2-Benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210: Safety data sheet available on request.
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Not relevant
- 3.2 Mixture:**
Chemical description: Aqueous mixture composed of additives and acrylic resin
Components:
In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 111-76-2 EC: 203-905-0 REACH: 01-2119475108-36-XXXX	2-butoxyethanol Acute Tox. 4: H302+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	 2.5 - <10%
CAS: 2634-33-5 EC: 220-120-9 REACH: 01-2120761540-60-XXXX	1,2-Benzisothiazol-3(2H)-one Acute Tox. 2: H330; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Danger	 <1%

- CONTINUED ON NEXT PAGE -

58990 - W/B Gloss Casket Lacquer

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration
CAS: 55965-84-9 EC: Not relevant REACH: Not relevant	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	<1% 

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral	1200 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	3 mg/L	
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral	450 mg/kg	
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	0.5 mg/L *	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	
	LD50 dermal	87.12 mg/kg	
	LC50 inhalation vapour	1.433 mg/L *	

*Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

- CONTINUED ON NEXT PAGE -

58990 - W/B Gloss Casket Lacquer

SECTION 5: FIREFIGHTING MEASURES (continued)

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

- CONTINUED ON NEXT PAGE -

58990 - W/B Gloss Casket Lacquer

SECTION 7: HANDLING AND STORAGE (continued)

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
2-butoxyethanol ⁽¹⁾ CAS: 111-76-2	WEL (8h)	25 ppm	123 mg/m ³
	WEL (15 min)	50 ppm	246 mg/m ³

⁽¹⁾ Skin

Biological limit values:

BIOLOGICAL MONITORING GUIDANCE VALUES (BMGVs) - EH40/2005

Identification	NULL	NULL	NULL
2-butoxyethanol CAS: 111-76-2	280 mg/g (Creatinine)	Butoxyacetic acid in urine	Post shift

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	89 mg/kg	Not relevant	125 mg/kg	Not relevant
	Inhalation	1091 mg/m ³	246 mg/m ³	98 mg/m ³	Not relevant
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.966 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	6.81 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	Oral	Not relevant	Not relevant	6.3 mg/kg	Not relevant
	Dermal	89 mg/kg	Not relevant	75 mg/kg	Not relevant
	Inhalation	426 mg/m ³	147 mg/m ³	59 mg/m ³	Not relevant
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.345 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1.2 mg/m ³	Not relevant

PNEC:

Identification				
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	STP	463 mg/L	Fresh water	8.8 mg/L
	Soil	2.33 mg/kg	Marine water	0.88 mg/L
	Intermittent	26.4 mg/L	Sediment (Fresh water)	34.6 mg/kg
	Oral	0.02 g/kg	Sediment (Marine water)	3.46 mg/kg
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	STP	1.03 mg/L	Fresh water	0.00403 mg/L
	Soil	3 mg/kg	Marine water	0.000403 mg/L
	Intermittent	0.0011 mg/L	Sediment (Fresh water)	0.0499 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.00499 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
	Work clothing	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	7 % weight
V.O.C. density at 20 °C:	71.98 kg/m ³ (71.98 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not relevant *
Colour:	Not relevant *
Odour:	Mild
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	100 - 329 °C
Vapour pressure at 20 °C:	2312 Pa
Vapour pressure at 50 °C:	12183.89 Pa (12.18 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1028.3 kg/m ³
Relative density at 20 °C:	1.028
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Relative vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	79 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	189 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
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*Not relevant due to the nature of the product, not providing information property of its hazards.

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58990 - W/B Gloss Casket Lacquer

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Refraction index: Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: 2-butoxyethanol (3: Not classifiable as to its carcinogenicity to humans)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral	1200 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour	3 mg/L	
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	LD50 oral	450 mg/kg	
	LD50 dermal		
	LC50 inhalation dust	0.21 mg/L	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	LD50 oral	64 mg/kg	Rat
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation mist	0.33 mg/L	Rat

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-butoxyethanol CAS: 111-76-2	LC50	1490 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	1815 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

- CONTINUED ON NEXT PAGE -

58990 - W/B Gloss Casket Lacquer

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	LC50	2.18 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	2.9 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.11 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LC50	0.28 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	0.16 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.027 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
2-butoxyethanol CAS: 111-76-2	NOEC	100 mg/L	Danio rerio	Fish
	NOEC	100 mg/L	Daphnia magna	Crustacean
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	NOEC	>0.01 - 0.1 mg/L		Fish
	NOEC	>0.01 - 0.1 mg/L		Crustacean
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	NOEC	>0.001 - 0.01 mg/L		Fish
	NOEC	>0.001 - 0.01 mg/L		Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BOD5	0.71 g O ₂ /g	Concentration	100 mg/L
	COD	2.2 g O ₂ /g	Period	14 days
	BOD5/COD	0.32	% Biodegradable	96 %
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BOD5	Not relevant	Concentration	1 mg/L
	COD	Not relevant	Period	63 days
	BOD5/COD	Not relevant	% Biodegradable	85 %
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BOD5	Not relevant	Concentration	0.3 mg/L
	COD	Not relevant	Period	29 days
	BOD5/COD	Not relevant	% Biodegradable	38.8 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	BCF	3
	Pow Log	0.83
	Potential	Low
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	BCF	7
	Pow Log	0.7
	Potential	Low
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Not relevant	BCF	54
	Pow Log	0.75
	Potential	Moderate

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-butoxyethanol CAS: 111-76-2	Koc	8	Henry	1.621E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	2.729E-2 N/m (25 °C)	Moist soil	Yes
1,2-Benzisothiazol-3(2H)-one CAS: 2634-33-5	Koc	9.33	Henry	Not relevant
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	Koc	Not relevant	Henry	5E-3 Pa·m ³ /mol
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

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58990 - W/B Gloss Casket Lacquer

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous

Type of waste:

HP6 Acute Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- Prior Informed Consent (PIC) List: Not relevant
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

Not relevant

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 3:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.
Acute Tox. 2: H330 - Fatal if inhaled.
Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Not relevant

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer