SAFETY DATA SHEET

Date of issue/Date of revision

: 7 November 2024 Version



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: 1.05

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

1.1 Product identifier	
Product name	: SIGMACOVER 350 HARDENER
Product code	: 000001172489
Other means of identi	fication
0 0220294; 00272755; 0	00480544

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

Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Hardener.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.

1.3 Details of the supplier of the safety data sheet

Varossieau Suriname NV, Mastanaweg 4, Paramaribo, SURINAME	
Tel: 00597 484447 Fax: 00597 483785	
e-mail address of person responsible for this SDS	: Product.Stewardship.EMEA@ppg.com

1.4 Emergency telephone : 0031 (0)20 4075210 number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226

Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements Hazard pictograms



Signal word



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU))
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SECTION 2: Hazards identification

Hazard statements	 Flammable liquid and vapour. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment.
Response	: Collect spillage.
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	 Dispose of contents and container in accordance with all local, regional, national and international regulations. P280, P210, P273, P391, P403 + P233, P501
Supplemental label elements	: Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requiren	nents
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3: Composition/information on ingredients

3.2 Mixtures Product/ingredient name	: Mixture	%	Classification	Specific Conc. Limits, M-factors	Туре
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	REACH #: 01-2119972320-44 EC: 500-191-5 CAS: 68082-29-1	≥25 - ≤50	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 2, H411	and ATEs -	[1]
Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and	CAS: 68953-09-3	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[1]
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SECTION 3: Compo	sition/informat	tion on in	ngredients		
triethylenetetramine, reaction products with bisphenol A- epichlorohydrin polymer					
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥10 - <20	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]
benzyl alcohol	REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≥10 - ≤25	Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317	ATE [Oral] = 1200 mg/ kg	[1] [2]
2,4,6-tris (dimethylaminomethyl) phenol	REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2	≥5.0 - ≤10	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1C, H314 Eye Dam. 1, H318	ATE [Oral] = 1200 mg/ kg ATE [Dermal] = 1280 mg/kg	[1]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥1.0 - ≤5.0	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Inhalation (vapours)] = 17.8 mg/l	[1] [2]
3,6-diazaoctanethylenediamin	EC: 203-950-6 CAS: 112-24-3 Index: 612-059-00-5	≥1.0 - <5.0	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 1716 mg/ kg ATE [Dermal] = 1465 mg/kg	[1] [2]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

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SECTION 4: First aid measures

4.1 Description of first aid m	easures
Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	 Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	 Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	 If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

4.2 Most important symp	toms and effects, both acute and delayed
Potential acute health e	ffects
Eye contact	: Causes serious eye damage.
Inhalation	: May cause respiratory irritation.
Skin contact	: Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: Corrosive to the digestive tract. Causes burns.
<u>Over-exposure signs/sy</u>	r <u>mptoms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
4.3 Indication of any imm	ediate medical attention and special treatment needed
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

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5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.

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SECTION 5: Firefighting measures

5	5
5.2 Special hazards arising fr	om the substance or mixture
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds
5.3 Advice for firefighters	
Special precautions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	tective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

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SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.
: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

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Product/ingredient name	Exposure limit values
xylene	EU OEL (Europe, 1/2022) [xylene, mixed isomers] Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 221 mg/m ³ . STEL 15 minutes: 100 ppm. STEL 15 minutes: 442 mg/m ³ .
2-methylpropan-1-ol	ACGIH TLV (United States, 7/2023) TWA 8 hours: 50 ppm. TWA 8 hours: 152 mg/m ³ .
benzyl alcohol	IPEL (-) TWA: 5 ppm. STEL: 10 ppm.
ethylbenzene	EU OEL (Europe, 1/2022) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 442 mg/m ³ . STEL 15 minutes: 200 ppm. STEL 15 minutes: 884 mg/m ³ .
3,6-diazaoctanethylenediamin	IPEL (-) Absorbed through skin. TWA: 1 ppm.
xylene	DOL BEI (South Africa, 3/2021) [xylenes] BEI: 1.5 g/g creatinine, methylhippuric acid [in urine]. Sampling time: end of shift.
ethylbenzene	DOL BEI (South Africa, 3/2021) BEI: 0.15 g/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall- oil fatty acids and triethylenetetramine	DNEL	Long term Oral	97.2 µg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	97.2 µg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.169 mg/m³	General population	Systemic
	DNEL	Long term Dermal	0.272 mg/kg bw/ day	Workers	Systemic
	DNEL	Long term Inhalation	0.952 mg/m ³	Workers	Systemic
xylene	DNEL	Long term Oral	5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	65.3 mg/m³	General population	Local
	DNEL	Long term Inhalation	65.3 mg/m³	General population	Systemic
	DNEL	Long term Dermal	125 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	212 mg/kg bw/day	Workers	Systemic
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	DNEL	Long term Inhalation	221 mg/m ³	Workers	Local
	DNEL DNEL	Long term Inhalation Short term Inhalation	221 mg/m ³ 260 mg/m ³	Workers General	Systemic Local
	DINEL		200 mg/m	population	LUCAI
	DNEL	Short term Inhalation	260 mg/m³	General	Systemic
				population	- ,
	DNEL	Short term Inhalation	442 mg/m³	Workers	Local
	DNEL	Short term Inhalation	442 mg/m ³	Workers	Systemic
2-methylpropan-1-ol	DNEL	Long term Inhalation	55 mg/m³	General	Local
	DNEL	Long term Inhalation	310 mg/m ³	population Workers	Local
benzyl alcohol	DNEL	Long term Oral	4 mg/kg bw/day	General	Systemic
J = _ J = J = J		g e.e		population	- ,
	DNEL	Long term Dermal	4 mg/kg bw/day	General	Systemic
				population	
	DNEL	Long term Inhalation	5.4 mg/m³	General	Systemic
	DNEL	Long term Dermal	8 mg/kg bw/day	population Workers	Systemic
	DNEL	Short term Oral	20 mg/kg bw/day	General	Systemic Systemic
				population	
	DNEL	Short term Dermal	20 mg/kg bw/day	General	Systemic
				population	
	DNEL	Long term Inhalation	22 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	27 mg/m³	General	Systemic
	DNEL	Short term Dermal	40 mg/kg bw/day	population Workers	Systemic
	DNEL	Short term Inhalation	110 mg/m^3	Workers	Systemic
2,4,6-tris(dimethylaminomethyl)phenol	DNEL	Long term Oral	0.075 mg/kg bw/	General	Systemic
			day	population	5
	DNEL	Short term Dermal	0.075 mg/kg bw/	General	Systemic
			day	population	Quality
	DNEL	Long term Dermal	0.075 mg/kg bw/ day	General population	Systemic
	DNEL	Short term Inhalation	0.13 mg/m ³	General	Systemic
	DITLE		or to mg/m	population	e you me
	DNEL	Long term Inhalation	0.13 mg/m ³	General	Systemic
				population	
	DNEL	Long term Dermal	0.15 mg/kg bw/day	Workers	Systemic
	DNEL DNEL	Long term Inhalation Short term Dermal	0.53 mg/m³ 0.6 mg/kg bw/day	Workers Workers	Systemic Systemic
	DNEL	Short term Inhalation	2.1 mg/m^3	Workers	Systemic
ethylbenzene	DMEL	Long term Inhalation	442 mg/m ³	Workers	Local
	DMEL	Short term Inhalation	884 mg/m ³	Workers	Systemic
	DNEL	Long term Oral	1.6 mg/kg bw/day	General	Systemic
		Long forms lists at the	1E m = /m 3	population	Charles
	DNEL	Long term Inhalation	15 mg/m³	General	Systemic
	DNEL	Long term Inhalation	77 mg/m³	population Workers	Systemic
	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	293 mg/m ³	Workers	Local
3,6-diazaoctanethylenediamin	DNEL	Long term Dermal	28 µg/cm²	Workers	Local
	DNEL	Long term Dermal	0.25 mg/kg bw/day	General	Systemic
		l ong torm inhelation	$0.20 m m^{3}$	population	Suptomia
	DNEL	Long term Inhalation	0.29 mg/m³	General population	Systemic
	DNEL	Long term Oral	0.41 mg/kg bw/day	General	Systemic
				population	
	DNEL	Long term Dermal	0.43 mg/cm ²	General	Local
			-	population	
	DNEL	Long term Dermal	0.57 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	1 mg/cm ²	General	Local
	<u> </u>			population	
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	DNEL	Long term Inhalation	1 mg/m ³	Workers	Systemic
	DNEL	Short term Dermal	8 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	20 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	1600 mg/m ³	General population	Systemic
	DNEL	Short term Inhalation	5380 mg/m³	Workers	Systemic

PNECs

Product/ingredient name	Туре	Compartment Detail	Value	Method Detail
Fatty acids, C18-unsatd., dimers,	-	Fresh water	0.043 mg/l	Assessment Factors
oligomeric reaction products with tall-			-	
oil fatty acids and triethylenetetramine				
	-	Marine water	0 mg/l	Assessment Factors
	-	Sewage Treatment Plant	3.84 mg/l	Assessment Factors
	-	Fresh water sediment	434.02 mg/kg dwt	Equilibrium Partitioning
	-	Marine water sediment	43.4 mg/kg dwt	Equilibrium Partitioning
	-	Soil	86.78 mg/kg dwt	Equilibrium Partitioning
xylene	-	Fresh water	0.327 mg/l	-
	-	Marine water	0.327 mg/l	-
	-	Sewage Treatment Plant	6.58 mg/l	-
	-	Fresh water sediment	12.46 mg/kg dwt	-
	-	Marine water sediment	12.46 mg/kg dwt	-
	-	Soil	2.31 mg/kg	-
2-methylpropan-1-ol	-	Fresh water	0.4 mg/l	Assessment Factors
	-	Marine water	0.04 mg/l	Assessment Factors
	-	Sewage Treatment Plant	10 mg/l	Assessment Factors
	-	Fresh water sediment	1.56 mg/kg dwt	Equilibrium Partitioning
	-	Marine water sediment	0.156 mg/kg dwt	-
	-	Soil	0.076 mg/kg dwt	Equilibrium Partitioning
ethylbenzene	-	Fresh water	0.1 mg/l	Assessment Factors
	-	Marine water	0.01 mg/l	Assessment Factors
	-	Sewage Treatment Plant	9.6 mg/l	Assessment Factors
	-	Fresh water sediment	13.7 mg/kg dwt	Equilibrium Partitioning
	-	Marine water sediment	1.37 mg/kg dwt	Equilibrium Partitioning
	-	Soil	2.68 mg/kg dwt	Equilibrium Partitioning
	-	Secondary Poisoning	20 mg/kg	-

8.2 Exposure controls Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Individual protection meas	ures
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection <u>Skin protection</u>	: Chemical splash goggles and face shield.
Hand protection	

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regul	ation (EU)
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	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Gloves	nitrile neoprene
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Colourless.
Odour	: Amine-like.
Odour threshold	: Not available.
Melting point/freezing point	: Not determined.
Initial boiling point and boiling range	: >37.78°C
Flammability	: Not determined. There are no data available on the mixture itself.
Upper/lower flammability or explosive limits	: Not available.
Flash point	: Closed cup: 31°C
Auto-ignition temperature	: 335°C (635°F)
Decomposition temperature	: Stable under recommended storage and handling conditions (see Section 7).
рН	: Not applicable. insoluble in water.

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SECTION 9: Physical and chemical properties

Viscosity	Kinematic (room t	: Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C): >21 mm²/s						
Solubility(ies)	- : · · · · · · · · · · · · · · · · · ·							
Media	Result	Result						
cold water	Not soluble	Not soluble						
Partition coefficient: n-octanol water	/ : Not applicable.							
Vapour pressure	: Ingredient name		Vapour Pressure at 20°C			Vapour pressure at 50°C		
		mm Hg	kPa	Method	mm Hg	kPa	Method	
	2-methylpropan-1-ol	<12.00102	<1.6	DIN EN 13016-2				
Relative density	: 0.95							
Explosive properties	•	: The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.						
Oxidising properties	: Product does not	present an c	xidizing	hazard.				
Particle characteristics								
Median particle size	: Not applicable.							
9.2 Other information								

SECTION 10: Stability and reactivity			
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.		
10.2 Chemical stability	: The product is stable.		
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.		
10.4 Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.		
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.		
10.6 Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds		

SECTION 11: Toxicological information

11.1 Information on toxicological effects Acute toxicity

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SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil	LD50 Dermal	Rat	>2000 mg/kg	-
fatty acids and triethylenetetramine		Rat	>2000 mg/kg	
valene	LD50 Oral	Rabbit	>2000 mg/kg	-
xylene	LD50 Dermal		1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapour	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
benzyl alcohol	LC50 Inhalation Dusts and	Rat	>5 mg/l	4 hours
	mists			
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-
2,4,6-tris(dimethylaminomethyl)phenol	LD50 Dermal	Rat	1280 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
3,6-diazaoctanethylenediamin	LD50 Dermal	Rabbit	1465 mg/kg	-
	LD50 Oral	Rat	1716 mg/kg	-

Conclusion/Summary : There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	Eyes - Severe irritant	Rabbit	-	-	-
xylene	Skin - Irritant Skin - Moderate irritant	Human Rabbit	-	- 24 hours 500 mg	-

Conclusion/Summary

: There are no data available on the mixture itself.

- : There are no data available on the mixture itself.
- Eyes Respiratory

Skin

: There are no data available on the mixture itself.

Sensitisation

Product/ingredient name	Route of exposure	Species	Result
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	skin	Mouse	Sensitising
3,6-diazaoctanethylenediamin	skin	Guinea pig	Sensitising

Skin	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Mutagenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Carcinogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Reproductive toxicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Teratogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.

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SECTION 11: Toxicological information

Specific target organ toxicity (single exposure)

Category	Route of exposure	Target organs
Category 3 Category 3 Category 3	-	Respiratory tract irritation Respiratory tract irritation Narcotic effects
	ategory 3 ategory 3	exposure ategory 3 ategory 3

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene	Category 2	-	hearing organs

Aspiration hazard

Product/ingredient name	Result
xylene ethylbenzene	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
Information on likely : Not available.	

routes of exposure

Potential acute health effects

Inhalation : May cause respiratory irritation. Ingestion : Corrosive to the digestive tract. Causes burns. Skin contact : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. Eye contact : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. Eye contact : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. Symptoms related to the physical. chemical and toxicological characteristics Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Ingestion : Adverse symptoms may include the following: respiratory tract irritation redness Skin contact : Adverse symptoms may include the following: reachess orracking blistering may occur : Adverse symptoms may include the following: reachess Delayed and immediate effects as well as chronic effects from short and long-term exposure Short term exposure : Not available. Potential immediate effects : Not available. Potential delayed effects : Not available. Endits delayed effects : Not available. effects : Not available. Potential delayed effects : Not available. effects : Not available. Po			
Skin contact : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. Eye contact : Causes serious eye damage. Symptoms related to the physical, chemical and toxicological characteristics Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Ingestion : Adverse symptoms may include the following: stomach pains Skin contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur Eye contact : Adverse symptoms may include the following: pain or irritation redness Delayed and immediate effects as well as chronic effects from short and long-term exposure Short term exposure : Not available. Potential delayed effects : Not available. effects : Not available. effects : Not available. Potential immediate : Not available. effects : Not available.	Inhalation	1	May cause respiratory irritation.
Eye contact : Causes serious eye damage. Symptoms related to the physical, chemical and toxicological characteristics Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Ingestion : Adverse symptoms may include the following: stomach pains Skin contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking bilstering may occur Eye contact : Adverse symptoms may include the following: pain watering redness Delayed and immediate effects as well as chronic effects from short and long-term exposure Short term exposure : Not available. effects Potential delayed effects : Not available. effects : Not available. Potential immediate : Not available. effects : Not available. Potential immediate : Not available. effects : Not available. Potential immediate : Not available.	Ingestion	1	Corrosive to the digestive tract. Causes burns.
Symptoms related to the physical, chemical and toxicological characteristics Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Ingestion : Adverse symptoms may include the following: stomach pains Skin contact : Adverse symptoms may include the following: stomach pains Skin contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur Eye contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur Eye contact : Adverse symptoms may include the following: pain watering redness Delayed and immediate effects as well as chronic effects from short and long-term exposure Potential immediate : Not available. effects effects : Not available. Long term exposure : Not available. Potential immediate : Not available. effects : Not available. effects : Not available.	Skin contact	:	Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.
Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Ingestion : Adverse symptoms may include the following: stomach pains Skin contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur Eye contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur Eye contact : Adverse symptoms may include the following: pain or irritation redness Delayed and immediate effects as well as chronic effects from short and long-term exposure Potential immediate : Not available. effects : Not available. Long term exposure : Not available. Potential immediate : Not available. effects : Not available. potential delayed effects : Not available. effects : Not available.	Eye contact	:	Causes serious eye damage.
respiratory tract irritation coughing Ingestion : Adverse symptoms may include the following: stomach pains Skin contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur Eye contact : Adverse symptoms may include the following: pain or irritation redness Delayed and immediate effects as well as chronic effects from short and long-term exposure Potential immediate : Not available. effects : Not available. Potential immediate : Not available. effects : Not available. Potential immediate : Not available. effects : Not available. Potential immediate : Not available. effects : Not available.	Symptoms related to the phy	ys	ical, chemical and toxicological characteristics
Skin contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur Eye contact : Adverse symptoms may include the following: pain watering redness Delayed and immediate effects as well as chronic effects from short and long-term exposure Short term exposure effects Potential immediate : Not available. effects : Not available. Potential immediate : Not available. effects : Not available. Potential immediate : Not available. effects : Not available. Potential immediate : Not available. effects : Not available. Potential immediate : Not available. effects : Not available.	Inhalation	:	respiratory tract irritation
pain or irritation redness dryness cracking blistering may occur Eye contact : Adverse symptoms may include the following: pain watering redness Delayed and immediate effects as well as chronic effects from short and long-term exposure Short term exposure Potential immediate : Not available. effects : Not available. Potential delayed effects : Not available. effects : Not available. Potential immediate : Not available. effects : Not available. Potential delayed effects : Not available. effects : Not available. Potential immediate : Not available. effects : Not available.	Ingestion	:	
pain watering vedness vedness Delayed and immediate effects as well as chronic effects from short and long-term exposure Short term exposure Potential immediate : Not available. effects : Not available. Long term exposure : Not available. Potential immediate : Not available. effects : Not available. Potential immediate : Not available. effects : Not available. Potential immediate : Not available. effects : Not available. effects : Not available. Potential immediate : Not available. effects : Not available. Potential delayed effects : Not available.	Skin contact	:	pain or irritation redness dryness cracking
Short term exposure Potential immediate : Not available. effects : Not available. Potential delayed effects : Not available. Long term exposure : Not available. Potential immediate : Not available. effects : Not available. Potential delayed effects : Not available. effects : Not available.	Eye contact	:	pain watering
Potential immediate : Not available. effects : Not available. Potential delayed effects : Not available. Long term exposure : Not available. Potential immediate : Not available. effects : Not available. Potential delayed effects : Not available.	Delayed and immediate effe	cts	s as well as chronic effects from short and long-term exposure
effects Potential delayed effects : Not available. Long term exposure Potential immediate : Not available. effects Potential delayed effects : Not available.	<u>Short term exposure</u>		
Long term exposure Potential immediate : Not available. effects Potential delayed effects : Not available.		:	Not available.
Potential immediate : Not available. effects Potential delayed effects : Not available.	Potential delayed effects	1	Not available.
effects Potential delayed effects : Not available.	Long term exposure		
		:	Not available.
Potential chronic health effects	Potential delayed effects	:	Not available.
	Potential chronic health effe	ct	<u>s</u>
Not available.	Not available.		

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SECTION 11: Toxicological information

Conclusion/Summary	: Not available.
General	 Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.
Other information	: Not available.

Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Exposure to amine vapor has been reported to cause transient corneal edema described as blue haze, halo effect, foggy or blurred vision for several hours. This condition is typically temporary and does not cause permanent visual effects. When the proper eye protection specified in Section 8 is worn, exposure is significantly reduced and the condition has not been observed.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	EC10 1.78 mg/l	Algae	72 hours
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
2,4,6-tris(dimethylaminomethyl)phenol	Acute LC50 >100 mg/l Acute LC50 >100 mg/l	Daphnia Fish	48 hours 96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-

Conclusion/Summary

: There are no data available on the mixture itself.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
2,4,6-tris	OECD 301D	4 % - Not readily - 28 days	-	-
(dimethylaminomethyl)phenol	Ready			
	Biodegradability -			
	Closed Bottle			
	Test			
ethylbenzene	-	79 % - Readily - 10 days	-	-

Conclusion/Summary

: There are no data available on the mixture itself.

English	(GB)
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SECTION 12: Ecological information

	•		
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	-	-	Not readily
xylene	-	-	Readily
benzyl alcohol	-	-	Readily
2,4,6-tris(dimethylaminomethyl)phenol	-	-	Not readily
ethylbenzene	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
xylene	3.12	7.4 to 18.5	Low
2-methylpropan-1-ol	1	-	Low
benzyl alcohol	0.87	-	Low
2,4,6-tris(dimethylaminomethyl)phenol	0.219	-	Low
ethylbenzene	3.6	79.43	Low
3,6-diazaoctanethylenediamin	-1.66 to -1.4	-	Low

12.4 Mobility in soil

Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Yes.

European waste catalogue (EWC)

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
Packaging	

Packaging

English (GB)

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation	on (EU)
2020/878	

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SECTION 13: Disposal considerations

-		
Methods of disposal	 The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 	
Type of packaging	European waste catalogue (EWC)	
Container	15 01 06 mixed packaging	
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.	

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	UN3469	UN3469	UN3469
14.2 UN proper shipping name	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE
14.3 Transport hazard class(es)	3 (8)	3 (8)	3 (8)
14.4 Packing group		111	Ш
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(Polyamide)	Not applicable.

Additional information

/ additional information	
ADR/RID	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
Tunnel code	: (D/E)
IMDG	: The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
ΙΑΤΑ	: The environmentally hazardous substance mark may appear if required by other transportation regulations.
14.6 Special pre user	cautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
14.7 Transport i according to IM instruments	

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SECTION 15: Regulatory information	
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
EU Regulation (EC) No. 1907/2006 (REACH)	
Annex XIV - List of substances subject to authorisation	
Annex XIV	
None of the components are listed.	
Substances of very high concern	
None of the components are listed.	
Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	
Other national and international regulations.	
Explosive precursors : Not applicable.	
Ozone depleting substances (1005/2009/EU)	
Not listed.	
Seveso Directive	
This product is controlled under the Seveso Directive.	
Danger criteria	

Category			
P5c E2			
E2			

15.2 Chemical safety

: No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and	: ATE = Acute Toxicity Estimate
acronyms	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.
-	1272/2008]
	DNEL = Derived No Effect Level
	EUH statement = CLP-specific Hazard statement
	PNEC = Predicted No Effect Concentration
	RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Flam. Liq. 3, H226	On basis of test data
Skin Corr. 1C, H314	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H335	Calculation method
Aquatic Chronic 2, H411	Calculation method

Full text of abbreviated H statements

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SECTION 16: Other i	nformation	
Full text of classifications	 H225 Highly flamm H226 Flammable li H302 Harmful if sw H304 May be fatal H312 Harmful in co H314 Causes seve H315 Causes skin H317 May cause a H318 Causes seric H319 Causes seric H319 Causes seric H332 Harmful if inh H335 May cause d H336 May cause d H373 May cause d H373 May cause d H411 Toxic to aqua H412 Harmful to ac 	if swallowed and enters airways. Intact with skin. re skin burns and eye damage. irritation. n allergic skin reaction. us eye damage. us eye damage. us eye irritation. aled. espiratory irritation. rowsiness or dizziness. amage to organs through prolonged or repeated exposure. atic life with long lasting effects. juatic life with long lasting effects. ACUTE TOXICITY - Category 4
[CLP/GHS]	Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Skin Corr. 1B Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1A Skin Sens. 1B STOT RE 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category LONG-TERM (CHRONIC) AQUATIC HAZARD - Category ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 1B SKIN CORROSION/IRRITATION - Category 1C SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
<u>History</u> Date of issue/ Date of revision	: 7 November 2024	
Date of previous issue	: 9 October 2024	
Prepared by	: EHS	
Version	: 1.05	
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