SAFETY DATA SHEET

United Arab Emirates

Date of issue/Date of revision

: 13 October 2023

Version

: 15.01

SECTION 1: Identific undertaking	ation of the substance/mixture and of the company/
1.1 Product identifier	
Product name	: AMERLOCK 400 HARDENER
Product code	: 00281124
Other means of identificati Not available.	on
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	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	the safety data sheet
Sigma Paint Saudi Arabia Lto PO Box 7509 Dammam 31472 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34	
e-mail address of person responsible for this SDS	: ndpic@sfda.gov.sa
1.4 Emergency telephone number	: 00966 138473100 extn 1001

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. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351 Repr. 2, H361fd Aquatic Acute 1, H400 Aquatic Chronic 1, H410 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

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AMERLOCK 400 HARDENER		
SECTION 2: Hazards	dentification	
Hazard pictograms		L2
Signal word	Danger	
Hazard statements	Flammable liquid and vapour. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility. Suspected of damaging Very toxic to aquatic life with long lasting effects.	the unborn child.
Precautionary statements		
Prevention	Wear protective gloves, protective clothing and eye or fa heat, hot surfaces, sparks, open flames and other ignitic release to the environment.	
Response	Collect spillage. IF INHALED: Immediately call a POISC	ON CENTER or doctor.
Storage	Not applicable.	
Disposal	Dispose of contents and container in accordance with al international regulations. P280, P210, P273, P391, P304 + P310, P501	l local, regional, national and
Hazardous ingredients	Fatty acids, C18-unsatd., dimers, oligomeric reaction pro and triethylenetetramine nonylphenol furfuryl alcohol 3,6-diazaoctanethylenediamin	oducts with tall-oil fatty acids
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 requirem	<u>nts</u>	
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 a	ssessed to be a PBT or a vPv
Other hazards which do not result in classification	Prolonged or repeated contact may dry skin and cause i	rritation.
	May cause endocrine disruption.	

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AMERLOCK 400 HARDENER

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

Product/Ingredient name Identifiers % Classification Specific Conc. Influets, M-factors and ATEs Type Stringts, M-factors Fifty acids, C18-unsald, dimers, oligomeric reaction products with full-0il fatty acids and thetylenzene REACH # 01-2119493370-35 CAS: 68082-29-1 >10 - 255 Skin Ifmit, 2, H315 Skin Sens, N. H317 Aquatic Chronic 2, H411 - Image: M-factors and ATEs [1] onlylphenol REACH # 01-2119493370-35 CAS: 100-41-4 Index: 601-023-00-4 25.0 - <10 Fiam. Lig, 2, H225 Aquate Tox, 4, H302 Skin Cern. 1, H304 Aquatic Chronic 3, H412 ATE [Inhalation (vapours]] = 17.8 mg/l Kg [1] [2] nonylphenol EC: 246-672-0 CAS: 25154-52-3 Index: 601-053-00-8 25.0 - 510 Acue Tox, 4, H302 Aquatic Chronic 3, H412 ATE [Oral] = 580 mg/ Kg [1] [2] xylene EC: 215-535-7 CAS: 1330-20-7 25.0 - 510 Flam. Lig, 3, H226 Aquate Tox, 4, H312 Skin Dern: 1, H310 Aquatic Chronic 3, H412 ATE [Inhalation (Vapours]] = 11 mg/l W[Chronic] = 10 [1] [2] Yelewithyl- 1.2-ethanedlyl]), a- (2-aminomethylethyl- (2-aminomethylethyl- 2-C GAS: 996-00-0 Index: 603-016-00-2 25.0 - 510 Ech C- 510 Acute Tox, 4, H312 Acute Tox, 3, H311 ATE [Inhalation (Vapours]] = 11 mg/l Kg [1] [2] 12-hydroxyoctadecanocic acid, raection products with 12-hydroxyoctadecanocic acid, raection products with 13-berzendembhamamiea end hexamethylenediamina	3.2 WIXtures	. Mixture	T.			
dimers, oligomeric reaction products with table if atty acids and triethylenetetramine01-2119972320-44 EC: 500-1915 CAS: 68082-29-1EW Dam. 1, H318 Skin Sens IA, H317 Aquatic Chronic 2, H411TE [Inhalation (vapours)] = 17.8 mg/l[1] [2]ethylbenzeneREACH # 01-2119480370-35 EC: 202-540-4 $25.0 < 100$ Fiam. Liq. 2, H225 Actue Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412ATE [Oral] = 580 mg/l[1] [2]nonylphenolEC: 246-672-0 CAS: 25154-52-3 Index: 601-023-00-8 $25.0 < 100$ Acute Tox. 4, H302 Skin Corr. 18, H314 Eye Dam. 1, H318 M Acute] T. H400 Aquatic Chronic 3, H412ATE [Oral] = 580 mg/l[1] [3]xyleneEC: 215-535-7 CAS: 130-20-7 $25.0 < 100$ Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H312 	Product/ingredient name	Identifiers	%	Classification	Limits, M-factors	Туре
01-2119489370-35 EC: 202-8494 CAS: 100-41-4 Index: 601-023-00-4 Acute Tox. 4, H322 STOT RE 2, H373 (hearing organs) Agp. Tox. 1, H304 Aquatic Chronic 3, H412 (vapours)] = 17.8 mg/l (1] [3] Kg. Cas: 25154-52-3 Index: 601-053-00-8 xylene EC: 215-535-7 CAS: 1330-20-7 25.0 - 510 CAS: 25154-52-3 Index: 601-053-00-8 Acute Tox. 4, H322 Skin Corr. 18, H314 Eye Dam. 1, H318 ATE [Oral] = 580 mg/ Kg. Carl E, H373 [1] [3] Kg. Curtel = 10 M [Chronic] = 10 xylene EC: 215-535-7 CAS: 1330-20-7 25.0 - 510 CAS: 25154-52-3 Index: 601-055789-12 CAS: 1330-20-7 25.0 - 510 Skin Corr. 16, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412 ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l [1] [2] Mg/kg ATE [Inhalation (vapours)] = 11 mg/l Polyfoxy(methyl- (2-aminomethylethyl)-	dimers, oligomeric reaction products with tall-oil fatty acids and	01-2119972320-44 EC: 500-191-5	≥10 - ≤25	Eye Dam. 1, H318 Skin Sens. 1A, H317	-	[1]
CAS: 25154-52-3 Index: 601-053-00-8Skin Corr. 15, H314 Eye Dam. 1, H318 Repr. 2, H361rd Aquatic Acute 1, H400 Aquatic Chronic 1, H410kg dCxyleneEC: 215-535-7 CAS: 1330-20-7 $\geq 5.0 - \leq 10$ Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H312 Acute Tox. 4, H312 Acute Tox. 4, H312 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l[1] [2]Poly[oxy(methyl- 1,2-ethanediyl], α - (2-aminomethylethyl)-u- (2-aminomethylethyl)-u- (2-aminomethylethyl)-u- (2-aminomethylethyl)-u- (2-aminomethylethyl)-u- (2-aminomethylethyl)-u- (2-aminomethylethyl)-u- (2-aminomethylethyl)-u- (2-aminomethylethyl)-u- (2-AS: 9046-10-0 (n = 2-6)) $\geq 5.0 - \leq 10$ Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412-[1]furfuryl alcoholREACH #: 01-21194537689-12 EC: 420-2626-1 CAS: 98-00-0 Index: 603-018-00-2 $\geq 1.0 - \leq 5.0$ Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H313 BC: 432-840-2 Index: 616-201-00-7 $\geq 1.0 - \leq 5.0$ Acute Tox. 4, H332 Acute Tox. 4, H312 Acute Tox. 4, H313 Arte [Inhalation (vapours)] = 3 mg/l[1] [2]3,6-diazaoctanethylenediamine acid, reaction products with acid, reaction product	ethylbenzene	01-2119489370-35 EC: 202-849-4 CAS: 100-41-4	≥5.0 - <10	Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304		[1] [2]
CAS: 1330-20-7CAS: 1330-20-7Acute Tox. 4, H312 Acute Tox. 4, H312 Aquatic Chronic 3, H412Image: Acute Tox. 4, H312 Acute Tox. 4, H312 Aquatic Chronic 3, H412Poly[oxy(methyl- (2-aminomethylethoxy)- (2-aminomethylethoxy)- (2-aminomethylethoxy)-REACH #: CAS: 9046-10-0 (n = 2-6) $\geq 5.0 - \leq 10$ Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412-[1]furfuryl alcoholREACH #: OT-2119493965-18 EC: 202-626-1 CAS: 98-00-0 Index: 603-018-00-2 $\geq 1.0 - \leq 5.0$ Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 3, H314 STOT SE 3, H335 STOT RE 2, H373ATE [Oral] = 500 mg/ kg ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 3 mg/l12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamin and hexamethylenediamine $\geq 1.0 - \leq 5.0$ Acute Tox. 4, H332 STOT RE 2, H373ATE [Inhalation (dusts and mists)] = 3.56 mg/l (ungs) (inhalation) Aquatic Chronic 4, H41312-hydroxyoctadecanoic acid, reaction products with 1, 3-benzenedimethanamine and hexamethylenediamine $\in C.203-950-6$ CAS: 112-24-3 Index: 612-059-00-5 < 1.0 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corn. 18, H314 Eye Dam. 1, H318 Skin Sens. 1, H317ATE [Oral] = 1716 mg/ ATE [Dermal] = 1465 mg/kg	nonylphenol	CAS: 25154-52-3	≥5.0 - ≤10	Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361fd Aquatic Acute 1, H400	kg M [Acute] = 10	[1] [3]
1,2-ethanediyl)], α- (2-aminomethylethyl)-ω- (2-aminomethylethoxy)-01-2119557899-12 EC: 618-561-0 CAS: 9046-10-0 (n = 2-6)Eye Dam. 1, H318 Aquatic Chronic 3, H412ATE [Oral] = 500 mg/ kg[1] [2] (2]furfuryl alcoholREACH #: 01-2119493965-18 EC: 202-626-1 CAS: 98-00-0 Index: 603-018-00-2≥1.0 - ≤5.0Acute Tox. 4, H302 	xylene		≥5.0 - ≤10	Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304	mg/kg ATE [Inhalation	[1] [2]
$\begin{array}{c} 12-hydroxyoctadecanoic acid, reaction products with and hexamethylenediamine and hexamethylenediamine \\ 3,6-diazaoctanethylenediamine \\ 3,6-diazaoctanethylenediamine \\ 3,6-diazaoctanethylenediamine \\ 12-hydroxyoctadecanoic acid, reaction products with and hexamethylenediamine and hexamethylenediamine \\ 3,6-diazaoctanethylenediamine \\ 3,6-dia$	1,2-ethanediyl)], α- (2-aminomethylethyl)-ω-	01-2119557899-12 EC: 618-561-0 CAS: 9046-10-0 (n	≥5.0 - ≤10	Eye Dam. 1, H318	-	[1]
acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine01-0000017900-73 EC: 432-840-2 CAS: 220926-97-6 Index: 616-201-00-7STOT RE 2, H373 (lungs) (inhalation) Aquatic Chronic 4, H413and mists)] = 3.56 mg/l[1]3,6-diazaoctanethylenediaminEC: 203-950-6 CAS: 112-24-3 Index: 612-059-00-5<1.0	furfuryl alcohol	01-2119493965-18 EC: 202-626-1 CAS: 98-00-0	≥1.0 - ≤5.0	Acute Tox. 4, H312 Acute Tox. 3, H331 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335	kg ATE [Dermal] = 1100 mg/kg ATE [Inhalation	[1] [2]
CAS: 112-24-3 Acute Tox. 4, H312 kg Index: 612-059-00-5 Skin Corr. 1B, H314 ATE [Dermal] = 1465 Eye Dam. 1, H318 mg/kg Skin Sens. 1, H317 Skin Sens. 1, H317	acid, reaction products with 1,3-benzenedimethanamine	01-0000017900-73 EC: 432-840-2 CAS: 220926-97-6	≥1.0 - ≤5.0	STOT RE 2, H373 (lungs) (inhalation)		[1] [2]
English (GB) United Arab Emirates 3/17	3,6-diazaoctanethylenediamin	CAS: 112-24-3	<1.0	Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318	kg ATE [Dermal] = 1465	[1] [2]
			English	(GB) United Arab Er	nirates	3/17

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			Aquatic Chronic 3, H412		
p-nonylphenol	EC: 203-199-4 CAS: 104-40-5	≤0.10	Skin Corr. 1B, H314 Eye Dam. 1, H318	ATE [Oral] = 1620 mg/ kg M [Acute] = 10 M [Chronic] = 10	[1] [3]

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.

Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance of equivalent concern

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

SUB codes represent substances without registered CAS Numbers.

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1 Description of first aid n	neasures
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

Potential acute health eff	<u>ects</u>
Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure signs/sym</u>	<u>nptoms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (E	U)
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SECTION 4: First aid measures

Inhalation	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations

4.3 Indication of any immediate 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

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.
5.2 Special hazards arising fr	rom 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 very 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 sulfur oxides halogenated compounds metal oxide/oxides
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.

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SECTION 6: Accidental release measures

6.1 Personal precautions, pr	otective 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: See Section 1 for emergency contact information.sections: See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

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

 Protective measures 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. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. 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 oth 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.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878					
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SECTION 7: Handlin	ig and storage				
Advice on general occupational hygiene	: 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.				
7.2 Conditions for safe storage, including any incompatibilities	: 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

Product/ingredient name	Exposure limit values
barium sulfate	ACGIH TLV (United States, 1/2022). Notes: The value is for total dust containing no asbestos and < 1% crystalline silica. TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction
Talc , not containing asbestiform fibres	ACGIH TLV (United States, 1/2022). TWA: 2 mg/m ³ 8 hours. Form: Respirable
ethylbenzene	ACGIH TLV (United States, 1/2022). Ototoxicant. Notes: Substances for which there is a Biological Exposure Index or
xylene	Indices 2002 Adoption. TWA: 20 ppm 8 hours. ACGIH TLV (United States, 1/2022). [p-xylene and mixtures containing p-xylene] Ototoxicant.
furfuryl alcohol	TWA: 20 ppm 8 hours. ACGIH TLV (United States, 1/2022). Absorbed through skin.
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	TWA: 0.2 ppm 8 hours. ACGIH TLV (United States). TWA: 10 mg/m ³ Form: Inhalable particle TWA: 3 mg/m ³ , (inhalable dust) Form: Respirable particle
procedures Standard EN 689 by inhalation to or strategy) Europe application and u biological agents requirements for agents) Referen	d be made to monitoring standards, such as the following: European O (Workplace atmospheres - Guidance for the assessment of exposure hemical agents for comparison with limit values and measurement ean Standard EN 14042 (Workplace atmospheres - Guide for the use of procedures for the assessment of exposure to chemical and) European Standard EN 482 (Workplace atmospheres - General the performance of procedures for the measurement of chemical ce to national guidance documents for methods for the determination ostances will also be required.

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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 measu	ires
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	: Chemical splash goggles and face shield.
Skin protection	
Hand protection	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	: butyl rubber
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 anti-static 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	:
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	: Not available.
Odour	: Aromatic.
Odour threshold	: Not available.
Melting point/freezing point	: May start to solidify at the following temperature: -8°C (17.6°F) This is based on data for the following ingredient: nonylphenol. Weighted average: -56.69°C (-70°F)

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SECTION 9: Physical a	ind	chemical prop	erties					
Initial boiling point and boiling range	:	>37.78°C						
Flammability	:	Not available.						
Upper/lower flammability or explosive limits	:	Greatest known range: Lower: 1.8% Upper: 16.3% (furfuryl alcohol)						
Flash point	:	Closed cup: 28°C						
Auto-ignition temperature	:	Ingredient name		°C	°F	Method		
		nonylphenol		370	698			
Decomposition temperature pH Viscosity Solubility(ies)		Stable under recomn Not applicable. insolu Kinematic (40°C): >2	uble in wa	-	nd handling co	nditions	s (see Sec	tion 7).
Media	-	Result						
cold water		Not soluble						
Partition coefficient: n-octano water	۱/ :	Not applicable.	1					
Vapour pressure	- 1	Ingredient name	Vapour Pressure at 20°C		Vap	Vapour pressure at 50°C		
		ingretient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		ethylbenzene	9.3	1.2				
Evaporation rate	:	Highest known value butyl acetate	: 0.84 (eth	ylbenze	ene) Weighted	averaç	je: 0.43cor	npared with
Relative density	:	1.41						
Vapour density	:	Highest known value C9-11-branched alky						
Explosive properties	:	The product itself is r vapour or dust with a			the formation	of an ex	xplosible m	ixture of
Oxidising properties	:	Product does not pre	sent an o	xidizing	hazard.			
Particle characteristics								
Median particle size	- 1	Not applicable.						
0.2 Other information								
No additional information.								

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.

Conforms to Regulation (EC) 2020/878	No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)
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SECTION 10: Stabilit	y and reactivity	
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reaction oxidising agents, strong alkalis, strong acids.	IS:
10.6 Hazardous decomposition products	 Depending on conditions, decomposition products may include the following includes nitrogen oxides sulfur oxides halogenated compounds meta oxides 	

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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				
	LD50 Oral	Rat	>2000 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	-
nonylphenol	LD50 Dermal	Rabbit	2.14 g/kg	-
	LD50 Oral	Rat	580 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
Poly[oxy(methyl-1,2-ethanediyl)], α- (2-aminomethylethyl)-ω-	LD50 Dermal	Rat	2980 mg/kg	-
(2-aminomethylethoxy)-				
	LD50 Oral	Rat	2885 mg/kg	_
furfuryl alcohol	LC50 Inhalation Vapour	Rat	934 mg/m ³	4 hours
· · · · · · · · · · · · · · · · · · ·	LC50 Inhalation Vapour	Rat	233 ppm	4 hours
	LD50 Dermal	Rabbit	400 mg/kg	-
	LD50 Dermal	Rat	3825 mg/kg	_
	LD50 Oral	Rat	0.132 g/kg	_
12-hydroxyoctadecanoic acid, reaction	LC50 Inhalation Dusts and	Rat	3.56 mg/l	4 hours
products with 1,3-benzenedimethanamine	mists		g,	
and hexamethylenediamine				
,	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
3,6-diazaoctanethylenediamin	LD50 Dermal	Rabbit	1465 mg/kg	-
	LD50 Oral	Rat	1716 mg/kg	-
p-nonylphenol	LD50 Oral	Rat	1620 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	-	-	-
		Skin - Irritant	Human	-	-	-
xylene		Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Conclusion/Summary						
Skin : There are no data available on the			nixture itself	-		
Eyes	: There are no data available on the mixture itself.					
Respiratory	: There are no data available on the mixture itself.					
Sensitisation						

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Product/ingredient name Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine		Route of exposure	Species	Result
		skin	Mouse	Sensitising
3,6-diazaoctanethylenedia	min	skin	Guinea pig	Sensitising
Conclusion/Summary				
Skin	: There are no data avai	lable on the mixtur	re itself.	
Respiratory : There are no data avail		lable on the mixtur	re itself.	
<u>Mutagenicity</u>				
Conclusion/Summary	: There are no data avai	lable on the mixtur	re itself.	
Carcinogenicity				
Conclusion/Summary	: There are no data avai	lable on the mixtur	re itself.	
Reproductive toxicity				
Conclusion/Summary	lable on the mixtur	e itself.		
Teratogenicity				
Conclusion/Summary	: There are no data available on the mixture itself.			

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
	Category 3 Category 3		Respiratory tract irritation Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

: Not available.

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene furfuryl alcohol 12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	Category 2 Category 2 Category 2		hearing organs - lungs

Aspiration hazard

Product/ingredient name	Result	
ethylbenzene	ASPIRATION HAZARD - Category 1	
xylene	ASPIRATION HAZARD - Category 1	

Information on likely routes of exposure

Potential acute health effects

Inhalation Ingestion	lo known significant effects or critical hazards. lo known significant effects or critical hazards.	
Skin contact	Causes severe burns. Defatting to the skin. May cause an allergic skin reaction	า.
Eye contact	Causes serious eye damage.	
Symptoms related to the ph	al, chemical and toxicological characteristics	
Inhalation	Adverse symptoms may include the following: educed foetal weight ncrease in foetal deaths keletal malformations	

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SECTION 11: Toxicological information

	- 3
Ingestion	: Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations
Eye contact	: Adverse symptoms may include the following:
	pain watering redness
Delayed and immediate effe	cts as well as chronic effects from short and long-term exposure
Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	<u>ects</u>
Not available.	
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	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: Suspected of damaging fertility. Suspected of damaging the unborn child.
Other information	: Not available.
Prolonged or repeated contac	t may day skip and sause irritation. Sanding and grinding dusts may be harmful if inhaled

Prolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. 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.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

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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
ethylbenzene	Acute EC50 1.8 mg/l Fresh water Chronic NOEC 1 mg/l Fresh	Daphnia Daphnia -	48 hours
nonylphenol	water Acute EC50 0.056 mg/l Fresh water	Ceriodaphnia dubia Algae - Desmodesmus subspicatus	72 hours
	Chronic EC10 0.003 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Chronic NOEC 1 µg/l Fresh water	Daphnia - Daphnia magna	21 days
Poly[oxy(methyl-1,2-ethanediyl)], α- 2-aminomethylethyl)-ω-(2-aminomethylethoxy)-	EC50 15 mg/l	Algae	72 hours
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and nexamethylenediamine	Acute EC50 >100 mg/l	Algae - Pseudokirchneriella subcapitata (microalgae)	72 hours
	Acute EC50 >100 mg/l	Daphnia - Daphnia magna (Water flea)	48 hours
	Acute LC50 >100 mg/l	Fish - Oncorhynchus mykiss (rainbow trout)	96 hours
	Chronic NOEC 100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Chronic NOEC ≥50 mg/l	Daphnia - Daphnia magna (Water flea)	21 days
p-nonylphenol	Acute EC50 134.1 μg/l Marine water	Algae - <i>Phaeodactylum</i> <i>tricornutum</i> - Exponential growth phase	72 hours
	Chronic EC10 73.8 µg/l Marine water	Algae - <i>Phaeodactylum</i> <i>tricornutum</i> - Exponential growth phase	72 hours

Conclusion/Summary

: There are no data available on the mixture itself.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
ethylbenzene 12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	- OECD 301D Ready Biodegradability - Closed Bottle Test	79 % - Readily - 10 days 9 % - Not readily - 29 days	-	-

Conclusion/Summary

: There are no data available on the mixture itself.

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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
ethylbenzene	-	-	Readily
xylene	-	-	Readily
Poly[oxy(methyl-1,2-ethanediyl)], α- (2-aminomethylethyl)-ω-(2-aminomethylethoxy)-	-	-	Not readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
ethylbenzene	3.6	79.43	Low
nonylphenol	3.28	154.88	Low
xylene	3.12	7.4 to 18.5	Low
furfuryl alcohol	0.3	-	Low
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and	>6	-	High
hexamethylenediamine			
3,6-diazaoctanethylenediamin p-nonylphenol	-1.66 to -1.4 5.76	- 380.19	Low 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

May cause endocrine disruption.

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 catalog	ue (EWC)

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SECTION 13: Disposal considerations

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

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	taken when ł Empty conta residues may Do not cut, w	I and its container must be disposed of in a safe way. Care should be nandling emptied containers that have not been cleaned or rinsed out. iners or liners may retain some product residues. Vapour from product y create a highly flammable or explosive atmosphere inside the container. yeld or grind used containers unless they have been cleaned thoroughly void dispersal of spilt material and runoff and contact with soil, waterways, ewers.

SECTION 14: Transport information

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN3470	UN3470	UN3470
14.2 UN proper shipping name	PAINT, CORROSIVE, FLAMMABLE	PAINT, CORROSIVE, FLAMMABLE	PAINT, CORROSIVE, FLAMMABLE
14.3 Transport hazard class(es)	8 (3)	8 (3)	8 (3)
14.4 Packing group	11	П	П
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(Polyamide, nonylphenol)	Not applicable.

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	

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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

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
Substance of equivalent concern for environment	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	Candidate	ED/169/2012	4/19/2013
Endocrine disrupting properties for environment	4-nonylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	Candidate	ED/169/2012	12/19/2012
	4-nonylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	Candidate	ED/169/2012	12/19/2012

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.

Ozone depleting substances (1005/2009/EU)

Not listed.

15.2 Chemical safety

: No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

Indicates information that h	as changed from previously issued version.
Abbreviations and acronyms	 ATE = Acute Toxicity Estimate 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
Full text of abbreviated H statements	

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SECTION 16: Other i	nformation		
		la liquid and vanaur	
	H226 Flammable liqui	le liquid and vapour. d and vapour	
	H302 Harmful if swall		
		wallowed and enters airways.	
	H312 Harmful in conta		
		skin burns and eye damage.	
	H315 Causes skin irrit		
		llergic skin reaction.	
	H318 Causes serious H319 Causes serious		
	H331 Toxic if inhaled.	eye initation.	
	H332 Harmful if inhale	ed.	
	H335 May cause resp	iratory irritation.	
	H351 Suspected of ca		
		maging fertility or the unborn child.	
		amaging fertility. Suspected of damaging	
	H373 May cause dam H400 Very toxic to aqu	age to organs through prolonged or re	pealed exposure.
	, , , , , , , , , , , , , , , , , , , ,	uatic life with long lasting effects.	
		life with long lasting effects.	
	•	tic life with long lasting effects.	
	H413 May cause long	lasting harmful effects to aquatic life.	
Full text of classifications	: Acute Tox. 3	ACUTE TOXICITY - Category 3	
[CLP/GHS]	Acute Tox. 4	ACUTE TOXICITY - Category 4	
	Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC	
	Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC	
	Aquatic Chronic 2 Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIO	
	Aquatic Chronic 4	LONG-TERM (CHRONIC) AQUATION	
	Asp. Tox. 1	ASPIRATION HAZARD - Category	
	Carc. 2	CARCINOGENICITY - Category 2	
	Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRI	
	Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRI	
	Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2	
	Flam. Liq. 3 Repr. 2	FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY - Cate	
	Skin Corr. 1B	SKIN CORROSION/IRRITATION - 0	
	Skin Corr. 1C	SKIN CORROSION/IRRITATION - (
	Skin Irrit. 2	SKIN CORROSION/IRRITATION - (
	Skin Sens. 1	SKIN SENSITISATION - Category 1	
	Skin Sens. 1A	SKIN SENSITISATION - Category 1	
	STOT RE 2	SPECIFIC TARGET ORGAN TOXIC	JITY - REPEATED
	STOT SE 3	EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXIC	
		EXPOSURE - Category 3	
History			
Date of issue/ Date of	: 13 October 2023		
revision			
Date of previous issue	: 7 August 2023		
Prepared by	: EHS		
Version	: 15.01		
Disclaimer			

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

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