# **SAFETY DATA SHEET**

United Arab Emirates

Date of issue/Date of revision

: 28 August 2024

Version

: 15.03

SECTION 1: Identification of the substance/mixture and of the company/ undertaking		
1.1 Product identifier		
Product name	: SIGMACOVER 256/435/456/522 HARDENER	
Product code	: 00141100	
Other means of identification	tion	
Not available.		
1.2 Relevant identified uses	s of the substance or mixture and uses advised against	
Product use	: Professional applications, Used by spraying.	
Use of the substance/ mixture	: 🖉 oating.; Hardener.	
Uses advised against	: Product is not intended, labelled or packaged for consumer use.	
1.3 Details of the supplier of	of the safety data sheet	
Sigma Paint Saudi Arabia L PO Box 7509 Dammam 31472 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34	td.	
e-mail address of person responsible for this SDS	: ndpic@sfda.gov.sa	
1.4 Emergency telephone	: 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 Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 3, H412 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

number

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SECTION 2: Hazards identification		
Hazard pictograms		
Signal word	: Danger	
Hazard statements	<ul> <li>Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects.</li> </ul>	
Precautionary statements		
Prevention	: Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
Response	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, ir present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.	
Storage	: Store in a well-ventilated place. Keep container tightly closed.	
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> <li>P280, P210, P305 + P351 + P338, P310, P403 + P233, P501</li> </ul>	
Hazardous ingredients	<ul> <li>P-methylpropan-1-ol Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines 3,6-diazaoctanethylenediamin</li> </ul>	
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	ents	
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 vPvI	
Other hazards which do not result in classification	: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation.	

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## **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
✓methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥25 - ≤50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]
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]
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	CAS: 68410-23-1	≥10 - <25	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 2, H411	-	[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]
2,4,6-tris (dimethylaminomethyl) phenol	REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2	≥1.0 - ≤3.5	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]
3,6-diazaoctanethylenediamin	EC: 203-950-6 CAS: 112-24-3 Index: 612-059-00-5	≤1.4	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.

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. <u>Type</u>

[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 3: Composition/information on ingredients**

SUB codes represent substances without registered CAS Numbers.

## **SECTION 4: 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	<ul> <li>If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>
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 ef	ifects
Eye contact	: Causes serious eye damage.
Inhalation	<ul> <li>Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.</li> </ul>
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: Corrosive to the digestive tract. Causes burns. Can cause central nervous system (CNS) depression.
Over-exposure signs/sy	<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 nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
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	<ul> <li>In case of inhalation of decomposition products in a fire, symptoms may be delayed.</li> <li>The exposed person may need to be kept under medical surveillance for 48 hours.</li> </ul>
Specific treatments	: No specific treatment.

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## 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 f	n the substance or mixture	
Hazards from the substance or mixture	Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. I 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 harmful to aquatic life with long lastin effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.	e
Hazardous combustion products	Decomposition products may include the following materials: carbon oxides nitrogen 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 breathi apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to Europe standard EN 469 will provide a basic level of protection for chemical incidents.	;

## **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective 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.
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.

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### **SECTION 6: Accidental release measures**

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	<ul> <li>See Section 1 for emergency contact information.</li> <li>See Section 8 for information on appropriate personal protective equipment.</li> <li>See Section 13 for additional waste treatment information.</li> </ul>

## **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. 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.
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.

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## **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
Ź-methylpropan-1-ol	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016).TWA: 152 mg/m³ 8 hours.TWA: 50 ppm 8 hours.Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006).TWA: 152 mg/m³ 8 hours.TWA: 50 ppm 8 hours.TWA: 50 ppm 8 hours.TWA: 152 mg/m³ 8 hours.TWA: 50 ppm 8 hours.TWA: 50 ppm 8 hours.ACGIH TLV (United States, 7/2023).TWA: 152 mg/m³ 8 hours.TWA: 50 ppm 8 hours.
xylene	<ul> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [xylene (o, m &amp; p isomers)]</li> <li>STEL: 651 mg/m<sup>3</sup> 15 minutes.</li> <li>STEL: 150 ppm 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 100 ppm 8 hours.</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006).</li> <li>[xylene (all isomers)]</li> <li>STEL: 150 ppm 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 8 hours.</li> <li>STEL: 150 ppm 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 8 hours.</li> <li>STEL: 150 ppm 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 100 ppm 8 hours.</li> <li>ACGIH TLV (United States, 7/2023). [p-xylene and mixtures containing p-xylene] Ototoxicant.</li> <li>TWA: 20 ppm 8 hours.</li> </ul>
ethylbenzene	<ul> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016).</li> <li>STEL: 543 mg/m<sup>3</sup> 15 minutes.</li> <li>STEL: 125 ppm 15 minutes.</li> <li>TWA: 100 ppm 8 hours.</li> <li>TWA: 434 mg/m<sup>3</sup> 8 hours.</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006).</li> <li>STEL: 125 ppm 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 8 hours.</li> <li>STEL: 125 ppm 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 8 hours.</li> <li>STEL: 543 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 100 ppm 8 hours.</li> <li>ACGIH TLV (United States, 7/2023). Ototoxicant. Notes:</li> <li>Substances for which there is a Biological Exposure Index or Indices 2002 Adoption.</li> <li>TWA: 20 ppm 8 hours.</li> </ul>

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Recommended monitoring procedures	
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	<u>ires</u>
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 Skin protection	: Chemical splash goggles and face shield.
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 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.
<b>Respiratory protection</b>	:
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.

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## **SECTION 9: Physical and chemical properties**

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

<u>Appearance</u>		
Physical state	1	Liquid.
Colour	1	Not available.
Odour	:	Amine-like.
Odour threshold	:	Not available.
Melting point/freezing point		May start to solidify at the following temperature: $12^{\circ}C$ (53.6°F) This is based on data for the following ingredient: 3,6-diazaoctanethylenediamin. Weighted average -84.56°C (-120.2°F)
Initial boiling point and boiling range	:	>37.78°C
Flammability	:	Not available.
Upper/lower flammability or explosive limits	:	Greatest known range: Lower: 1.7% Upper: 10.9% (2-methylpropan-1-ol)
Flash point	:	Closed cup: 25°C
Auto-ignition temperature	:	430°C (806°F)
Decomposition temperature	:	Stable under recommended storage and handling conditions (see Section 7).
pH	1	Not applicable. insoluble in water.
Viscosity	:	Kinematic (room temperature): >400 mm²/s Kinematic (40°C): >21 mm²/s
Viscosity	:	60 - 100 s (ISO 6mm)
Solubility(ies)	1	
Media		Result
cold water		Not soluble

Vapour pressure :	:		Vapor	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method		
		2-methylpropan-1-ol	<12.00102	<1.6	DIN EN 13016-2				
Evaporation rate	:	Highest known value butyl acetate	e: 0.84 (etl	nylbenz	ene) Weighteo	d average	e: 0.71co	mpared with	
Relative density	:	0.95							
Vapour density	:	Highest known value average: 3.17 (Air =		r = 1)(	(3,6-diazaoctar	ethylene	diamin).	Weighted	
Explosive properties	:	The product itself is vapour or dust with a			t the formation	of an ex <sub>l</sub>	olosible m	nixture of	
		Due due tale e e met mu	ocont on o	vidizina	bozord				
Oxidising properties		Product does not pre	esent an o	nuizing	nazaru.				
Oxidising properties Particle characteristics	:	Product does not pre	esent an o	Aldızırığ	nazaru.				

### 9.2 Other information

No additional information.

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<b>SECTION 10: Stability</b>	and reactivity
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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

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
₽-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	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
5	LD50 Oral	Rat	4.3 g/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	-
2,4,6-tris(dimethylaminomethyl)phenol	LD50 Dermal	Rat	1280 mg/kg	-
	LD50 Oral	Rat	1200 mg/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
<b>K</b> ylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

<b>Conclusion/Summary</b>	
Skin	: There are no data available on the mixture itself.
Eyes	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Sensitisation	

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

### **Conclusion/Summary**

Skin

: There are no data available on the mixture itself.

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Respiratory	: There are no data available on the mixture itself.
<u>Mutagenicity</u>	
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.
<b>Carcinogenicity</b>	
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.
Reproductive toxicity	
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.
<b>Teratogenicity</b>	
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.
Specific target organ toxic	tity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
2-methylpropan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
xylene	Category 3	-	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

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

### **Aspiration hazard**

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

## Information on likely routes of exposure

: Not available.

#### Potential acute health effects Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. Ingestion : Corrosive to the digestive tract. Causes burns. Can cause central nervous system (CNS) depression. **Skin contact** : Causes skin irritation. 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 nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness 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

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SECTION 11: Toxico	logical	information
Eye contact	: Adver pain wateri redne	•
Delayed and immediate effe	ects as we	ell as chronic effects from short and long-term exposure
Short term exposure		
Potential immediate effects	: Not av	vailable.
Potential delayed effects	: Not av	vailable.
Long term exposure		
Potential immediate effects	: Not av	vailable.
Potential delayed effects	: Not av	vailable.
Potential chronic health eff	<u>ects</u>	
Not available.		
Conclusion/Summary	: Not av	vailable.
General	derma	nged or repeated contact can defat the skin and lead to irritation, cracking and/o atitis. Once sensitized, a severe allergic reaction may occur when subsequently sed to very low levels.
Carcinogenicity	: No kn	nown significant effects or critical hazards.
Mutagenicity	: No kn	nown significant effects or critical hazards.
Reproductive toxicity	: No kn	nown significant effects or critical hazards.
Other information	: Not av	vailable.

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.

### 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
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	EC50 4.11 mg/l Fresh water	Algae	72 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
2,4,6-tris(dimethylaminomethyl)phenol	Acute LC50 >100 mg/l Acute LC50 >100 mg/l	Daphnia Fish	48 hours 96 hours

**Conclusion/Summary** 

: There are no data available on the mixture itself.

### 12.2 Persistence and degradability

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## **SECTION 12: Ecological information**

Product/ingredient name	Test	Result	Dose	Inoculum
Atty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines ethylbenzene 2,4,6-tris (dimethylaminomethyl)phenol	- OECD 301D Ready Biodegradability - Closed Bottle Test	15 % - 28 days 79 % - Readily - 10 days 4 % - Not readily - 28 days	-	-

Conclusion/Summary . There are no data a		ilsen.	
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines ethylbenzene 2,4,6-tris(dimethylaminomethyl)phenol	- - -	- - -	Readily Not readily Readily Not readily

### **12.3 Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
₽-methylpropan-1-ol	1	-	Low
xylene	3.12	7.4 to 18.5	Low
ethylbenzene	3.6	79.43	Low
2,4,6-tris(dimethylaminomethyl)phenol	0.219	-	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** 

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ECTION 13: Dispo	sal consideratio	ons	
Methods of disposal	of this product, so requirements of e regional local auth via a licensed was	f waste should be avoided or minimised wher olutions and any by-products should at all time environmental protection and waste disposal I hority requirements. Dispose of surplus and i ste disposal contractor. Waste should not be fully compliant with the requirements of all au	es comply with the egislation and any non-recyclable products disposed of untreated to
Hazardous waste	: Yes.		
European waste catalog	<u>ue (EWC)</u>		
Waste code		Waste designation	
08 01 11*	waste paint and varnis	sh containing organic solvents or other hazar	dous substances
Packaging			
Methods of disposal		f waste should be avoided or minimised wher be recycled. Incineration or landfill should o easible.	
Type of packaging		European waste catalogue (EWC)	
Container	15 01 06	mixed packaging	
Special precautions	taken when handl Empty containers residues may crea Do not cut, weld c	I its container must be disposed of in a safe w ling emptied containers that have not been clos or liners may retain some product residues. ate a highly flammable or explosive atmosphe or grind used containers unless they have been dispersal of spilt material and runoff and cont	eaned or rinsed out. Vapour from product ere inside the container. en cleaned thoroughly

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group		Ш	Ш
14.5 Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

### **Additional information**

ADR/RID	This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.
Tunnel code	: (D/E)
IMDG IATA	<ul> <li>This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.</li> <li>None identified.</li> </ul>

14.6 Special precautions for	1	Transport within user's premises: always transport in closed containers that are
user		upright and secure. Ensure that persons transporting the product know what to do in the
		event of an accident or spillage.

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**SECTION 14: Transport information** 

14.7 Transport in bulk : Not applicable. according to IMO instruments

## **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.
<b>15.2 Chemical safety</b> : No Chemical Safety Assessment has been carried out.

assessment

## **SECTION 16: Other information**

Indicates information that	at has changed from previously issued version.		
Abbreviations and acronyms	<ul> <li>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</li> </ul>		
Full text of abbreviated H statements	<ul> <li>H225 Highly flammable liquid and vapour.</li> <li>H226 Flammable liquid and vapour.</li> <li>H302 Harmful if swallowed.</li> <li>H304 May be fatal if swallowed and enters airways.</li> <li>H312 Harmful in contact with skin.</li> <li>H314 Causes severe skin burns and eye damage.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> <li>H332 Harmful if inhaled.</li> <li>H335 May cause respiratory irritation.</li> <li>H336 May cause drowsiness or dizziness.</li> <li>H373 May cause damage to organs through prolonged or repeated exposure.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> </ul>		

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878					
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SECTION 16: Other information					
Full text of classifications [CLP/GHS]	: Acute Tox. 4 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. 1 Skin Sens. 1A STOT RE 2	ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 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 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>	- 00 August 2004				
Date of issue/ Date of revision	: 28 August 2024				
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Prepared by	: EHS				
Version	: 15.03				
<u>Disclaimer</u>					

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