SAFETY DATA SHEET

Date of issue/Date of revision

: 16 February 2024 Version



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

1.1 Product identifier	
Product name	: SIGMACOVER 295 HARDENER
Product code	: 000001099384
Other means of identification 00249256	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 Ltd 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]

Fam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 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 Hazard pictograms :

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SECTION 2: Hazards identification

Signal word	: Danger
Hazard statements	 Fammable liquid and vapour. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.
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, if 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	 Dispose of contents and container in accordance with all local, regional, national and international regulations. P280, P210, P305 + P351 + P338, P310, P403 + P233, P501
Hazardous ingredients	 Kylene Fatty acids, C18-unsatd., dimers, oligomeric reaction products with fatty acids, C16-18 and C18-unsatd., branched and linear and triethylenetetramine
Supplemental label elements	: Contains Amines, polyethylenepoly-, triethylenetetramine fraction. May produce an allergic reaction.
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>ients</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 assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

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SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
x ylene	EC: 215-535-7 CAS: 1330-20-7	≥25 - ≤49	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, oligomeric reaction products with fatty acids, C16-18 and C18-unsatd., branched and linear and triethylenetetramine	EC: 500-381-8 CAS: 157707-72-7	≥10 - ≤25	Eye Dam. 1, H318	-	[1]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥5.0 - ≤8.7	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-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥5.0 - ≤10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≥5.0 - ≤9.6	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
Amines, polyethylenepoly-, triethylenetetramine fraction	REACH #: 01-2119487919-13 EC: 292-588-2 CAS: 90640-67-8	≤0.30	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	ATE [Oral] = 1716 mg/ kg ATE [Dermal] = 1465 mg/kg	[1]
toluene	REACH #: 01-2119471310-51 EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3	≤0.30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 See Section 16 for the full text of the H statements declared above.	-	[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.

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SECTION 3: Composition/information on ingredients

[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.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	1	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	1	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 healt	h effects
Eye contact	: Causes serious eye damage.
Inhalation	: May cause respiratory irritation.
Skin contact	: Causes skin irritation. Defatting to the skin.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs	s/symptoms
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 i	mmediate 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.

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SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing	: Use dry chemical, CO ₂ , water spray (fog) or foam.
media	
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising f	rom the substance or mixture
Hazards from the substance or mixture	: Mammable 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 harmful 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
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, 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	: Kvoid 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 spill 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.

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). 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.
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

₩ylene	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [xylene (o, m & p isomers)] STEL: 651 mg/m ³ 15 minutes. STEL: 150 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. TWA: 100 ppm 8 hours. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). [xylene (all isomers)] STEL: 150 ppm 15 minutes.
	TWA: 434 mg/m ³ 8 hours. STEL: 651 mg/m ³ 15 minutes. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 1/2023). [p-xylene and mixtures containing p-xylene] Ototoxicant. TWA: 20 ppm 8 hours.
ethylbenzene	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). STEL: 543 mg/m ³ 15 minutes. STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours. TWA: 434 mg/m ³ 8 hours. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). STEL: 125 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. STEL: 543 mg/m ³ 15 minutes. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 1/2023). Ototoxicant. Notes: Substances for which there is a Biological Exposure Index or Indices 2002 Adoption. TWA: 20 ppm 8 hours.
2-methylpropan-1-ol	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 152 mg/m ³ 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/m ³ 8 hours. TWA: 50 ppm 8 hours. ACGIH TLV (United States, 1/2023). TWA: 152 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.
1-methoxy-2-propanol	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 369 mg/m³ 8 hours. TWA: 100 ppm 8 hours. STEL: 553 mg/m³ 15 minutes. STEL: 150 ppm 15 minutes. English (GB) United Arab Emirates

Date of issue/Date of revision : 16 February 2024 Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). STEL: 150 ppm 15 minutes. TWA: 369 mg/m ³ 8 hours. STEL: 553 mg/m ³ 15 minutes. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 1/2023). STEL: 369 mg/m ³ 15 minutes. TWA: 100 ppm 15 minutes. TWA: 184 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. Ference should be made to monitoring standards, such as the following: European indard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure nhalation to chemical agents for comparison with limit values and measurement tegy) European Standard EN 14042 (Workplace atmospheres - Guide for the plication and use of procedures for the assessment of exposure to chemical and ogical agents) European Standard EN 482 (Workplace atmospheres - General uirements for the performance of procedures for the measurement of chemical must be required.
Protection of Air from Pollution (United Arab Emirates, 5/2006).STEL: 150 ppm 15 minutes.TWA: 369 mg/m³ 8 hours.STEL: 553 mg/m³ 15 minutes.TWA: 100 ppm 8 hours.ACGIH TLV (United States, 1/2023).STEL: 369 mg/m³ 15 minutes.STEL: 100 ppm 15 minutes.TWA: 184 mg/m³ 8 hours.TWA: 50 ppm 8 hours.TWA: 50 ppm 8 hours.TWA: 50 ppm 8 hours.TWA: 50 ppm 8 hours.Terence should be made to monitoring standards, such as the following: Europeanndard EN 689 (Workplace atmospheres - Guidance for the assessment of exposurenhalation to chemical agents for comparison with limit values and measurementtegy) European Standard EN 14042 (Workplace atmospheres - Guide for theblication and use of procedures for the assessment of exposure to chemical andogical agents) European Standard EN 482 (Workplace atmospheres - Generaluirements for the performance of procedures for the measurement of chemicalents) Reference to national guidance documents for methods for the determination
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e only with adequate ventilation. Use process enclosures, local exhaust ventilation of er engineering controls to keep worker exposure to airborne contaminants below an ommended or statutory limits. The engineering controls also need to keep gas, your or dust concentrations below any lower explosive limits. Use explosion-proof tilation equipment.
sh hands, forearms and face thoroughly after handling chemical products, before ing, smoking and using the lavatory and at the end of the working period. propriate techniques should be used to remove potentially contaminated clothing. sh contaminated clothing before reusing. Ensure that eyewash stations and safety owers are close to the workstation location.
emical splash goggles and face shield.
emical-resistant, impervious gloves complying with an approved standard should be in at all times when handling chemical products if a risk assessment indicates this is bessary. Considering the parameters specified by the glove manufacturer, check ing use that the gloves are still retaining their protective properties. It should be ed that the time to breakthrough for any glove material may be different for different we manufacturers. In the case of mixtures, consisting of several substances, the tection time of the gloves cannot be accurately estimated. When prolonged or quently repeated contact may occur, a glove with a protection class of 6 eakthrough time greater than 480 minutes according to EN 374) is recommended. en only brief contact is expected, a glove with a protection class of 2 or higher eakthrough time greater than 30 minutes according to EN 374) is recommended. e user must check that the final choice of type of glove selected for handling this duct is the most appropriate and takes into account the particular conditions of use, ncluded in the user's risk assessment.
prolonged or repeated handling, use the following type of gloves:

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Body protection	: Personal protective equipment for the body should be select performed and the risks involved and should be approved by handling this product. When there is a risk of ignition from s static protective clothing. For the greatest protection from s should include anti-static overalls, boots and gloves. Refer 1149 for further information on material and design requiren	y a specialist before static electricity, wear anti- tatic discharges, clothing to European Standard EN
Other skin protection	Appropriate footwear and any additional skin protection mea based on the task being performed and the risks involved an specialist before handling this product.	
Respiratory protection	:	
Environmental exposure controls	: Emissions from ventilation or work process equipment shou they comply with the requirements of environmental protecti cases, fume scrubbers, filters or engineering modifications t will be necessary to reduce emissions to acceptable levels.	on legislation. In some

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 **Appearance Physical state** : Liquid. Colour : Colourless. Odour Amine-like. [Strong] : Not available. **Odour threshold** : May start to solidify at the following temperature: -94.9°C (-138.8°F) This is based Melting point/freezing point on data for the following ingredient: ethylbenzene. Weighted average: -95.47°C (-139.8°F) : >37.78°C Initial boiling point and boiling range Flammability : Not available. Upper/lower flammability or : Greatest known range: Lower: 1.48% Upper: 13.74% (1-methoxy-2-propanol) explosive limits Closed cup: 27°C Flash point ÷. Auto-ignition temperature ŝ **Ingredient name** °C °F Method 270 518 1-methoxy-2-propanol **Decomposition temperature** : Stable under recommended storage and handling conditions (see Section 7). Not applicable. insoluble in water. pН 21 Viscosity ÷ Kinematic (room temperature): >400 mm²/s Kinematic (40°C): >21 mm²/s Viscosity 40 - <60 s (ISO 6mm) 2 Solubility(ies) 2 Media Result cold water Not soluble Partition coefficient: n-octanol/ : Not applicable. water Vapour pressure ż Vapour pressure at 50°C Vapour Pressure at 20°C Ingredient name mm Hg kPa Method mm kPa Method Hg 2-methylpropan-1-ol <12.00102 <1.6 DIN EN 13016-2

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Conforms to Regulation (EC 2020/878	C) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)
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SECTION 9: Physic	al and chemical properties
Evaporation rate	: Highest known value: 0.84 (ethylbenzene) Weighted average: 0.77compared with butyl acetate
Relative density	: 0.92
Vapour density	: Highest known value: 3.7 (Air = 1) (xylene). Weighted average: 3.53 (Air = 1)
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 oxidizing hazard.
Particle characteristics	
Median particle size	: Not applicable.
9.2 Other information	
No additional information.	
SECTION 10: Stabil	ity 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.

Refer to protective measures listed in sections 7 and 8.

oxidising agents, strong alkalis, strong acids.

decomposition products carbon oxides nitrogen oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

10.6 Hazardous

10.4 Conditions to avoid

10.5 Incompatible materials

Product/ingredient name	Result	Species	Dose	Exposure
x ylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	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-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	-
1-methoxy-2-propanol	LC50 Inhalation Vapour	Rat	>7000 ppm	6 hours
	LD50 Dermal	Rabbit	13 g/kg	-
	LD50 Oral	Rat	5.2 g/kg	-
Amines, polyethylenepoly-,	LD50 Dermal	Rabbit	1465 mg/kg	-
triethylenetetramine fraction				
	LD50 Oral	Rat	1716 mg/kg	-
toluene	LC50 Inhalation Vapour	Rat	49 g/m³	4 hours
	LD50 Dermal	Rabbit	8.39 g/kg	-
	LD50 Oral	Rat	5580 mg/kg	-

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: When exposed to high temperatures may produce hazardous decomposition products.

: Depending on conditions, decomposition products may include the following materials:

: Keep away from the following materials to prevent strong exothermic reactions:

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SECTION 11: Toxicological information

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredien	it name	Result	Species	Score	Exposure	Observation
x ylene		Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Conclusion/Summary				•		
Skin	: There are	no data available on the r	nixture itself			
Eyes	: There are	no data available on the r	nixture itself			
Respiratory	: There are	no data available on the r	nixture itself			
<u>Sensitisation</u>						
Conclusion/Summary						
Skin	: There are	no data available on the	mixture itsel [.]	f.		
Respiratory	: There are	no data available on the	mixture itsel [.]	f.		
Mutagenicity						
Conclusion/Summary	: There are	no data available on the	mixture itsel ⁻	f.		
Carcinogenicity						
Conclusion/Summary	: There are	no data available on the	mixture itsel ⁻	f.		
Reproductive toxicity						
Conclusion/Summary	: There are	no data available on the	mixture itsel ⁻	f.		
Teratogenicity						
Conclusion/Summary	: There are	no data available on the	mixture itsel	f.		
Specific target organ toxi	icity (single exp	osure)				

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

Specific target organ toxicity (repeated exposure)

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

Aspiration hazard

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

Information on likely routes of exposure

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: Not available.
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Potential acute health effects

Inhalation	: May cause respiratory irritation.		
Ingestion	: No known significant effects or critical hazards.		
Skin contact	: Causes skin irritation. Defatting to the skin.		
Eye contact	: Causes serious eye damage.		
Symptoms related to the physical, chemical and toxicological characteristics			

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SECTION 11: Toxicological information

Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing
Ingestion	1	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 watering redness
Delayed and immediate effe	cts	as well as chronic effects from short and long-term exposure
<u>Short term exposure</u>		
Potential immediate effects	1	Not available.
Potential delayed effects	1	Not available.
<u>Long term exposure</u>		
Potential immediate effects	1	Not available.
Potential delayed effects	1	Not available.
Potential chronic health effe	ect	<u>S</u>
Not available.		
Conclusion/Summary	:	Not available.
General	:	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	1	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	1	Not available.

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.

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

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SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
1-methoxy-2-propanol	Acute LC50 23300 mg/l	Daphnia	48 hours
	Acute LC50 >4500 mg/l	Fish	96 hours
	Fresh water		
Amines, polyethylenepoly-, triethylenetetramine fraction	Acute EC50 20 mg/l	Aquatic plants - Daphnia magna	72 hours
	Acute EC50 31.1 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 330 mg/l	Fish - Pimephales promelas	96 hours
	Acute NOEC 2.5 mg/l	Crustaceans	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	-	79 % - Readily - 10 da	ys -	-	
Conclusion/Summary : There are no data available on the mixture itself.					
Product/ingredient name		Aquatic half-life	Photolysis	Biodegradability	
₩ylene ethylbenzene toluene				Readily Readily Readily	

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
vylene ethylbenzene	3.12 3.6	7.4 to 18.5 79.43	Low
2-methylpropan-1-ol	1	-	Low
1-methoxy-2-propanol	<1	-	Low
Amines, polyethylenepoly-, triethylenetetramine fraction	-2.65	-	Low
toluene	2.73	8.32	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.

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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 meth	nods
<u>Product</u>	
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	: The classification of the product may meet the criteria for a hazardous waste.
European waste catalog	jue (EWC)
Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
Packaging	
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	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.

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SECTION 1	4: Transport info	rmation	
Additional infor	mation		
ADR/RID	: This class 3 viscous 2.2.3.1.5.1.	liquid is not subject to regulation in packagings	up to 450 L according to
Tunnel code	: (D/E)		
IMDG IATA	This class 3 viscousNone identified.	iquid is not subject to regulation in packagings	up to 450 L according to 2.3.2.5.
14.6 Special pro user	upright	ort within user's premises: always transport and secure. Ensure that persons transporting t an accident or spillage.	
14.7 Transport according to IN instruments		licable.	
SECTION 1	5: Regulatory info	ormation	
	0 7		
15.1 Safety, hea	<u> </u>		ance or mixture
	<u> </u>	egulations/legislation specific for the subst	ance or mixture
EU Regulation	Ith and environmental r	egulations/legislation specific for the subst <u>ACH)</u>	ance or mixture
EU Regulation	Ith and environmental r (EC) No. 1907/2006 (RE	egulations/legislation specific for the subst <u>ACH)</u>	ance or mixture
EU Regulation Annex XIV - I Annex XIV	Ith and environmental r (EC) No. 1907/2006 (RE	egulations/legislation specific for the subst <u>ACH)</u>	ance or mixture
EU Regulation Annex XIV - I Annex XIV None of the c	Ith and environmental r (EC) No. 1907/2006 (RE ist of substances subje	egulations/legislation specific for the subst <u>ACH)</u>	ance or mixture
EU Regulation Annex XIV - I Annex XIV None of the c Substances	Ith and environmental r (EC) No. 1907/2006 (RE ist of substances subje omponents are listed.	egulations/legislation specific for the subst <u>ACH)</u>	ance or mixture
EU Regulation Annex XIV - I Annex XIV None of the o Substances None of the o Annex XVII - on the manua	Ith and environmental ro (EC) No. 1907/2006 (RE ist of substances subje omponents are listed. of very high concern omponents are listed. Restrictions : Not app facture,	egulations/legislation specific for the subst <u>ACH)</u> <u>ct to authorisation</u>	ance or mixture
EU Regulation Annex XIV - I Annex XIV None of the of Substances None of the of Annex XVII - on the manur placing on the and use of co dangerous s	Ith and environmental ro (EC) No. 1907/2006 (RE ist of substances subje omponents are listed. of very high concern omponents are listed. Restrictions : Not app facture, e market ertain ubstances,	egulations/legislation specific for the subst <u>ACH)</u> <u>ct to authorisation</u>	ance or mixture
EU Regulation Annex XIV - I Annex XIV None of the of Substances None of the of Annex XVII - on the manur placing on the and use of co dangerous s mixtures and	Ith and environmental r (EC) No. 1907/2006 (RE ist of substances subje omponents are listed. of very high concern omponents are listed. Restrictions : Not app facture, e market ertain ubstances, articles	egulations/legislation specific for the subst <u>ACH)</u> <u>ct to authorisation</u> vlicable.	ance or mixture
EU Regulation Annex XIV - I Annex XIV None of the of Substances None of the of Annex XVII - on the manur placing on the and use of co dangerous s mixtures and Other national	Ith and environmental r (EC) No. 1907/2006 (RE ist of substances subje omponents are listed. of very high concern omponents are listed. Restrictions : Not app facture, e market ertain ubstances, articles and international regula	egulations/legislation specific for the subst <u>ACH)</u> <u>ct to authorisation</u> vlicable.	ance or mixture
EU Regulation Annex XIV - I Annex XIV None of the of Substances None of the of Annex XVII - on the manur placing on the and use of co dangerous s mixtures and Other national Explosive press	Ith and environmental r (EC) No. 1907/2006 (RE ist of substances subje omponents are listed. of very high concern omponents are listed. Restrictions : Not app facture, e market ertain ubstances, articles and international regula	egulations/legislation specific for the subst ACH) ct to authorisation vlicable.	ance or mixture

SECTION 16: Other information

Indicates information that has 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	

Full text of abbreviated H statements

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SECTION 16: Other i	nformation		
Full text of classifications [CLP/GHS]	H226Flammable liH302Harmful if swH304May be fatalH312Harmful in coH314Causes seveH315Causes skinH317May cause aH318Causes sericH319Causes sericH335May cause reH336May cause dH361dSuspected ofH373May cause d	f swallowed and enters airways. ntact with skin. re skin burns and eye damage. rritation. n allergic skin reaction. us eye damage. us eye irritation.	ZARD - Category 3 ON - Category 1 ON - Category 2 2 gory 1B gory 2 - REPEATED
<u>History</u> Date of issue/ Date of revision	: 16 February 2024		
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Prepared by	: EHS		
Version Disclaimer	: 2		

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