# **SAFETY DATA SHEET**

United Arab Emirates

: 2.02

Date of issue/Date of revision

: 25 November 2024 Version

SECTION 1: Identifi undertaking	ication of the substance/mixture and of the company/
1.1 Product identifier	
Product name	: SIGMACOVER 456 BASE RAL 7021
Product code	: 00396227
Other means of identifica Not available.	tion
1.2 Relevant identified use	s 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	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 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 Irrit. 2, H315

 Eye Irrit. 2, H319

Skin Sens. 1, H317 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 :

Signal word

: Warning

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

SECTION 2: Hazards	
Hazard statements	<ul> <li>Flammable liquid and vapour.</li> <li>Causes skin irritation.</li> <li>May cause an allergic skin reaction.</li> <li>Causes serious eye irritation.</li> <li>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. Avoid release to the environment. Avoid breathing vapour.
Response	: Take off contaminated clothing and wash it before reuse.
Storage	: Not applicable.
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> <li>P280, P210, P273, P261, P362 + P364, P501</li> </ul>
Supplemental label elements	: Contains epoxy constituents. 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 requiren	<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				
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
₩ylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤18	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]
		English	(GB) United Arab E	mirates	2/16

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2020/878	

Code : 00396227 Date of issue/Date of revision : 25 November 2024 SIGMACOVER 456 BASE RAL 7021 SECTION 3: Composition/information on ingredients epoxy resin (MW  $\leq$  700) REACH #: ≥5.0 - ≤10 Skin Irrit. 2, H315 Skin Irrit. 2, H315: C ≥ [1] 01-2119456619-26 Eye Irrit. 2, H319 5% EC: 500-033-5 Skin Sens. 1, H317 Eye Irrit. 2, H319: C ≥ CAS: 25068-38-6 Aquatic Chronic 2, H411 5% REACH #: ≥1.0 - ≤5.0 Flam. Liq. 2, H225 ATE [Inhalation ethylbenzene [1] [2] 01-2119489370-35 Acute Tox. 4, H332 (vapours)] = 17.8 mg/l EC: 202-849-4 STOT RE 2, H373 CAS: 100-41-4 (hearing organs) Index: 601-023-00-4 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 2-methylpropan-1-ol REACH #: ≤1.0 Flam. Liq. 3, H226 [1] [2] 01-2119484609-23 Skin Irrit. 2, H315 EC: 201-148-0 Eye Dam. 1, H318 CAS: 78-83-1 STOT SE 3, H335 Index: 603-108-00-1 STOT SE 3, H336 Skin Sens. 1B, H317 Octadecanoic acid, REACH #: ≤0.30 [1] 12-hydroxy-, reaction 01-2119979085-27 Aquatic Chronic 3, H412 products with EC: 309-629-8 ethylenediamine CAS: 100545-48-0 See Section 16 for the full text of the H statements declared above.

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

This mixture contains  $\geq$  1% of titanium dioxide. The Annex VI classification of titanium dioxide does not apply to this mixture according to Note 10.

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 Eye contact : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. 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. : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water Skin contact 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. 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.

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SECTION 4: First aid	l measures
4.2 Most important sympton	ns and effects, both acute and delayed
Potential acute health effect	<u>ets</u>
Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/symp	<u>otoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.
	iate medical attention and special treatment needed
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	: No specific treatment.
<b>SECTION 5: Firefigh</b>	ting measures
5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising	from 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 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 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.

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<b>SECTION 5: Firefight</b>	ing measures
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.
<b>SECTION 6: Accident</b>	al release measures
6.1 Personal precautions, pro	tective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing 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.
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

<ul> <li>Protective measures</li> <li>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 wh this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequat ventilation. Wear appropriate respirator when ventilation is inadequate. Do not end storage areas and confined spaces unless adequately ventilated. Keep in the origi 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 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 hazardous. Do not reuse container.</li> </ul>
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SECTION 7: Handl	ing 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. 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

Ministry of Labor (France, 9/2023) [xylènes, isomères mixtes,
purs] Absorbed through skin.
STEL 15 minutes: 442 mg/m <sup>3</sup> .
STEL 15 minutes: 100 ppm.
TWA 8 hours: 221 mg/m³.
TWA 8 hours: 50 ppm.
Ministry of Labor (France, 9/2023) Absorbed through skin.
TWA 8 hours: 20 ppm.
TWA 8 hours: 88.4 mg/m <sup>3</sup> .
STEL 15 minutes: 442 mg/m <sup>3</sup> .
STEL 15 minutes: 100 ppm.
Ministry of Labor (France, 9/2023)
TWA 8 hours: 50 ppm.
TWA 8 hours: 150 mg/m <sup>3</sup> .

Product/ingredient name	Exposure limit values
<b>k</b> ylene	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [xylene (o, m & p isomers)] A4. STEL 15 minutes: 651 mg/m <sup>3</sup> . STEL 15 minutes: 150 ppm. TWA 8 hours: 434 mg/m <sup>3</sup> . TWA 8 hours: 100 ppm. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006) [xylene (all isomers)] STEL 15 minutes: 150 ppm. TWA 8 hours: 434 mg/m <sup>3</sup> . STEL 15 minutes: 651 mg/m <sup>3</sup> . TWA 8 hours: 100 ppm.
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	ACGIH TLV (United States, 7/2023) [p-xylene and mixtures
	<b>containing p-xylene]</b> A4. Ototoxicant. TWA 8 hours: 20 ppm.
	TWA 6 Hours. 20 ppm.
barium sulfate	Abu Dhabi - OSHAD - Occupational air quality threshold limit
	values (United Arab Emirates, 7/2016)
	TWA 8 hours: 10 mg/m³.
	Cabinet Decree (12) of 2006 Regarding Regulation Concerning
	Protection of Air from Pollution (United Arab Emirates, 5/2006)
	TWA 8 hours: 10 mg/m <sup>3</sup> . ACGIH TLV (United States, 7/2023)
	TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction.
Talc , not containing asbestiform fibres	Abu Dhabi - OSHAD - Occupational air quality threshold limit
Tale, not containing assession in libres	values (United Arab Emirates, 7/2016) A4.
	TWA 8 hours: 2 mg/m <sup>3</sup> . Form: measured as respirable fraction of
	the aerosol.
	Cabinet Decree (12) of 2006 Regarding Regulation Concerning
	Protection of Air from Pollution (United Arab Emirates, 5/2006)
	TWA 8 hours: 2 mg/m <sup>3</sup> .
	ACGIH TLV (United States, 7/2023) A4.
	TWA 8 hours: 2 mg/m <sup>3</sup> . Form: Respirable fraction.
ethylbenzene	Abu Dhabi - OSHAD - Occupational air quality threshold limit
	values (United Arab Emirates, 7/2016) A3. STEL 15 minutes: 543 mg/m <sup>3</sup> .
	STEL 15 minutes: 125 ppm.
	TWA 8 hours: 100 ppm.
	TWA 8 hours: 434 mg/m <sup>3</sup> .
	Cabinet Decree (12) of 2006 Regarding Regulation Concerning
	Protection of Air from Pollution (United Arab Emirates, 5/2006)
	STEL 15 minutes: 125 ppm.
	TWA 8 hours: 434 mg/m³. STEL 15 minutes: 543 mg/m³.
	TWA 8 hours: 100 ppm.
	ACGIH TLV (United States, 7/2023) A3. Ototoxicant.
	TWA 8 hours: 20 ppm.
carbon black, respirable powder	Abu Dhabi - OSHAD - Occupational air quality threshold limit
	values (United Arab Emirates, 7/2016) A4.
	TWA 8 hours: 3.5 mg/m <sup>3</sup> .
	Cabinet Decree (12) of 2006 Regarding Regulation Concerning
	Protection of Air from Pollution (United Arab Emirates, 5/2006)
	TWA 8 hours: 3.5 mg/m <sup>3</sup> . ACGIH TLV (United States, 7/2023) A3.
	TWA 8 hours: 3 mg/m <sup>3</sup> . Form: Inhalable fraction.
titanium dioxide	Abu Dhabi - OSHAD - Occupational air quality threshold limit
	values (United Arab Emirates, 7/2016) A4.
	TWA 8 hours: 10 mg/m <sup>3</sup> .
	Cabinet Decree (12) of 2006 Regarding Regulation Concerning
	Protection of Air from Pollution (United Arab Emirates, 5/2006)
	TWA 8 hours: 10 mg/m <sup>3</sup> .
	ACGIH TLV (United States, 7/2023) A3. TWA 8 hours: 2.5 mg/m <sup>3</sup> . Form: respirable fraction, finescale
	particles.
2-methylpropan-1-ol	Abu Dhabi - OSHAD - Occupational air quality threshold limit
	values (United Arab Emirates, 7/2016)
	TWA 8 hours: 152 mg/m <sup>3</sup> .
	TWA 8 hours: 50 ppm.
	Cabinet Decree (12) of 2006 Regarding Regulation Concerning
	<b>Protection of Air from Pollution (United Arab Emirates, 5/2006)</b> TWA 8 hours: 152 mg/m <sup>3</sup> .
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		TWA 8 hours: 50 ppm. <b>ACGIH TLV (United States, 7/2023)</b> TWA 8 hours: 50 ppm. TWA 8 hours: 152 mg/m <sup>3</sup> .	
vylene		<b>DOL BEI (South Africa, 3/2021) [xylenes]</b> BEI: 1.5 g/g creatinine, methylhippuric acid end of shift.	ïn urine]. Sampling time
ethylbenzene		<b>DOL BEI (South Africa, 3/2021)</b> BEI: 0.15 g/g creatinine, sum of mandelic ac acid [in urine]. Sampling time: end of shift.	id and phenylglyoxylic
Recommended monitoring procedures	Standard EN 68 by inhalation to o strategy) Europ application and biological agents requirements for agents) Referen	Id be made to monitoring standards, such as th 9 (Workplace atmospheres - Guidance for the chemical agents for comparison with limit value ean Standard EN 14042 (Workplace atmosphe use of procedures for the assessment of expos s) European Standard EN 482 (Workplace atm r the performance of procedures for the measu nce to national guidance documents for method bstances will also be required.	assessment of exposure is and measurement ires - Guide for the ure to chemical and iospheres - General rement of chemical
8.2 Exposure controls			
Appropriate engineering controls	other engineerin recommended of	dequate ventilation. Use process enclosures, long controls to keep worker exposure to airborne or statutory limits. The engineering controls also concentrations below any lower explosive limits. oment.	contaminants below an o need to keep gas,
Individual protection measu	<u>'es</u>		
Hygiene measures	eating, smoking Appropriate tech Contaminated w contaminated cl	rearms and face thoroughly after handling cher and using the lavatory and at the end of the wo nniques should be used to remove potentially co vork clothing should not be allowed out of the wo othing before reusing. Ensure that eyewash sta se to the workstation location.	orking period. ontaminated clothing. orkplace. Wash
Eye/face protection Skin protection	: Chemical splash	n goggles.	
Hand protection	worn at all times necessary. Con during use that the noted that the tin glove manufactu protection time of frequently repea (breakthrough ti When only brief (breakthrough ti The user must of product is the m as included in th	ant, impervious gloves complying with an appro- s when handling chemical products if a risk asse- nsidering the parameters specified by the glove the gloves are still retaining their protective prop- me to breakthrough for any glove material may urers. In the case of mixtures, consisting of sev- of the gloves cannot be accurately estimated. We ted contact may occur, a glove with a protection me greater than 480 minutes according to EN 37 contact is expected, a glove with a protection of me greater than 30 minutes according to EN 37 check that the final choice of type of glove select ost appropriate and takes into account the part is user's risk assessment.	essment indicates this is manufacturer, check berties. It should be be different for different veral substances, the When prolonged or n class of 6 874) is recommended. class of 2 or higher 74) is recommended. ted for handling this
Gloves Body protection	: butyl rubber	tive equipment for the heady should be established	bood on the table by the
Body protection	performed and t handling this pro static protective should include a	tive equipment for the body should be selected the risks involved and should be approved by a oduct. When there is a risk of ignition from stati clothing. For the greatest protection from station inti-static overalls, boots and gloves. Refer to be information on material and design requirement	specialist before ic electricity, wear anti- c discharges, clothing European Standard EN
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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 specialist before handling this product.
<b>Respiratory protection</b>	:
Environmental exposur controls	<ul> <li>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 equipmen will be necessary to reduce emissions to acceptable levels.</li> </ul>

## **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

. I mormation on basic physic	ai and chemical properties			
<u>Appearance</u>				
Physical state	: Liquid.			
Colour	: Dark grey.			
Odour	: Aromatic. [Slight]			
Odour threshold	: Not available.			
Melting point/freezing point	: Not determined.			
Initial boiling point and boiling range	: >37.78°C			
Flammability	: Not determined. There are	e no data availa	ble on the mi	xture itself.
Upper/lower flammability or explosive limits	: Not available.			
Flash point	: Closed cup: 27°C			
Auto-ignition temperature	: Ingredient name	°C	°F	Method
	✓methylpropan-1-ol	415	779	
Decomposition temperature	: Stable under recommend	ed storage and	handling cond	ditions (see Section 7).
pH	: Not applicable. insoluble i	-	-	. ,
Viscosity	: Øynamic (room temperatu Kinematic (room tempera Kinematic (40°C): >21 mr	ture): >400 mm		
Solubility(ies)	:			
Media	Result			

Media	Result						
cold water	Not soluble	Not soluble					
Partition coefficient: n-octanol/ : water	Not applicable.						
Vapour pressure :		Vapour Pressure at 20°C			Vapour pressure at 50°C		
	Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
	methylpropan-1-ol	<12.00102	<1.6	DIN EN 13016-2			

Relative density: 1.4Explosive properties: The product itself is not explosive, but the formation of an explosible mixture of<br/>vapour or dust with air is possible.Oxidising properties: Product does not present an oxidizing hazard.Particle characteristics<br/>Median particle size: Not applicable.

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

#### 9.2 Other information

No additional information.

### **SECTION 10: Stability and reactivity**

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

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
epoxy resin (MW ≤ 700)	LD50 Dermal	Rabbit	>2 g/kg	-
	LD50 Oral	Rat	>2 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
<b>,</b> , ,	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
Octadecanoic acid, 12-hydroxy-, reaction	LC50 Inhalation Dusts and	Rat	5.05 mg/l	4 hours
products with ethylenediamine	mists			
	LD50 Oral	Rat	>2000 mg/kg	-

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

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<mark>xy</mark> lene epoxy resin (MW  ≤ 700)	Skin - Moderate irritant Eyes - Mild irritant Skin - Mild irritant	Rabbit Rabbit Rabbit	- - -	24 hours 500 mg - -	- -

Conclusion/Summary	
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	

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## **SECTION 11: Toxicological information**

Product/ing	Product/ingredient name		Species	Result	
epoxy resin (MW ≤ 700) Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine		skin skin	Mouse Guinea pig	Sensitising Sensitising	
Conclusion/Summary		-			
Skin	: There are no data avai	lable on the mixtur	e itself.		
Respiratory	: There are no data available on the mixture itself.				
<u>Mutagenicity</u>					
Conclusion/Summary	: There are no data available on the mixture itself.				
Carcinogenicity					
Conclusion/Summary	ary : There are no data available on the mixture itself.				
Reproductive toxicity					
Conclusion/Summary	ry : There are no data available on the mixture 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
xylene 2-methylpropan-1-ol	Category 3 Category 3 Category 3		Respiratory tract irritation Respiratory tract irritation Narcotic effects

#### 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 : Not available.

### routes of exposure

#### Potential acute health effects

Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Eye contact	: Causes serious eye irritation.
Symptoms related to	the physical, chemical and toxicological characteristics
Inhalation	: No specific data.
Ingestion	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking

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Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Delayed and immediate eff	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 ef	ects
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	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.
Other information	Not available

**Other information** : Not available.

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.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<mark>e</mark> poxy resin (MW ≤ 700)	Acute LC50 1.8 mg/l	Daphnia	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
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
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	Acute EC50 >100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 >10 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 >10 mg/l	Fish - Oncorhynchus mykiss	96 hours

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**Conclusion/Summary** 

: There are no data available on the mixture itself.

#### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Provide the second	OECD 301F - 301D Ready Biodegradability - Closed Bottle Test	5 % - 28 days 79 % - Readily - 10 days 22 % - 28 days	-	-

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
ylene epoxy resin (MW ≤ 700) ethylbenzene Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine			Readily Not readily Readily Inherent

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
ylene epoxy resin (MW ≤ 700) ethylbenzene 2-methylpropan-1-ol Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	3.12 3 3.6 1 >5.86	7.4 to 18.5 31 79.43 - -	Low Low Low Low High

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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	osal considerations
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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	<u>lue (EWC)</u>
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.

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group		111	III
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 : 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.

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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. **15.2 Chemical safety** 

assessment

: No Chemical Safety Assessment has been carried out.

### **SECTION 16: Other information**

Indicates information that 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>H304 May be fatal if swallowed and enters airways.</li> <li>H312 Harmful in contact with skin.</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>			
Full text of classifications [CLP/GHS]				

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878				
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	: 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 Irrit. 2 Skin Sens. 1 Skin Sens. 1B STOT RE 2 STOT SE 3	ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT ASPIRATION HAZARD - Category SERIOUS EYE DAMAGE/EYE IRI SERIOUS EYE DAMAGE/EYE IRI FLAMMABLE LIQUIDS - Category FLAMMABLE LIQUIDS - Category SKIN CORROSION/IRRITATION SKIN SENSITISATION - Category SKIN SENSITISATION - Category SPECIFIC TARGET ORGAN TOX EXPOSURE - Category 3	TIC HAZARD - Category 3 71 RITATION - Category 1 RITATION - Category 2 72 73 - Category 2 14 18 CICITY - REPEATED	
<u>History</u> Date of issue/ Date of revision	: 25 November 2024			
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Version	: 2.02			

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