# **SAFETY DATA SHEET**

United Arab Emirates

: 12

Date of issue/Date of revision

: 20 December 2023 Version

SECTION 1: Identific undertaking	cation of the substance/mixture and of the company/
1.1 Product identifier	
Product name	: SIGMACOVER 456 US BAS BAS L
Product code	: 00336389
Other means of identificati	on
Not available.	
1.2 Relevant identified uses	of the substance or mixture and uses advised against
Product use	: Industrial applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	the safety data sheet
Sigma Paint Saudi Arabia Lto PO Box 7509 Dammam 31472 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34	ł.
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

Repr. 1B, H360FD STOT RE 1, H372 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

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<b>SECTION 2: Hazards</b>	identification	l	
Hazard pictograms			
Signal word	: Danger		
Hazard statements	Causes serious May damage fer Causes damage	ation. Ilergic skin reaction.	posure.
Precautionary statements			
Prevention	protective gloves	ntil all safety precautions have been read and s, protective clothing and eye or face protectic arks, open flames and other ignition sources.	on. Keep away from heat,
Response	: IF exposed or co	oncerned: Get medical advice or attention.	
Storage	: Not applicable.		
Disposal	international reg	ents and container in accordance with all local ulations. 10, P260, P308 + P313, P501	l, regional, national and
Hazardous ingredients	: crystalline silica,	respirable powder (<10 microns) ipropoxi)phenyl]propane 00 <mw<=1100)< td=""><td></td></mw<=1100)<>	
Supplemental label elements		constituents. May produce an allergic reactior dous respirable droplets may be formed when	
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Restricted to pro	ofessional users.	
Special packaging requiren	<u>nents</u>		
Containers to be fitted with child-resistant fastenings	: Not applicable.		
Tactile warning of danger	: Not applicable.		
.3 Other hazards			
Product meets the criteria for PBT or vPvB	: This mixture doe	es not contain any substances that are assess	sed to be a PBT or a vPvB
Other hazards which do not result in classification	: Prolonged or rep	beated contact may dry skin and cause irritation	on.
	May cause endo	ocrine disruption.	

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

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J.Z	wixtures

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
xylene	EC: 215-535-7 CAS: 1330-20-7	≥10 - <20	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]
crystalline silica, respirable powder (<10 microns)	EC: 238-878-4 CAS: 14808-60-7	≥10 - ≤25	STOT RE 1, H372 (inhalation)	-	[1] [2]
bis-[4-(2,3-epoxipropoxi) phenyl]propane	REACH #: 01-2119456619-26 EC: 216-823-5 CAS: 1675-54-3 Index: 603-073-00-2	≥5.0 - ≤10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	Skin Irrit. 2, H315: C ≥ 5% Eye Irrit. 2, H319: C ≥ 5%	[1]
Epoxy Resin (700 <mw &lt;=1100)</mw 	CAS: 67924-34-9	≥1.0 - ≤5.0	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[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]
bis(2-ethylhexyl) phthalate	EC: 204-211-0 CAS: 117-81-7 Index: 607-317-00-9	≥1.0 - ≤5.0	Repr. 1B, H360FD	-	[1] [2] [3]
Hydrocarbons, C9, aromatics > 0.1% cumene	REACH #: 01-2119455851-35 EC: 918-668-5 CAS: 64742-95-6	<1.0	Flam. Liq. 3, H226 Carc. 1B, H350 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	Carc. 1B, H350: C ≥ 10% EUH066: C ≥ 20%	[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]

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

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

[3] Substance of equivalent concern

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.
Skin contact	:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	:	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

#### 4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye irritation.
No known significant effects or critical hazards.
Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
No known significant effects or critical hazards.
<u>15</u>
Adverse symptoms may include the following: pain or irritation watering redness
Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations

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<b>SECTION 4: First</b>	aid measures
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
4.3 Indication of any imm	nediate 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: Firefi</b>	ghting measures
5.1 Extinguishing media Suitable extinguishing	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.

Unsuitable extinguishing media	: Do not use water jet.
Illeula	

#### 5.2 Special hazards arising 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.
:	Decomposition products may include the following materials: carbon oxides halogenated compounds metal oxide/oxides
:	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.
:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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## **SECTION 6: Accidental release measures**

6.1 Personal precautions, pro	otective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. 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<br/>sections: See Section 1 for emergency contact information.<br/>See Section 8 for information on appropriate personal protective equipment.<br/>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

<ul> <li>Protective measures</li> <li>Put on appropriate personal protective equipment (see Section 8). Persons whistory of skin sensitization problems should not be employed in any process this product is used. Avoid exposure - obtain special instructions before use. exposure during pregnancy. Do not handle until all safety precautions have b and understood. Do not get in eyes or on skin or clothing. Do not breathe va mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not storage areas and confined spaces unless adequately ventilated. Keep in the container or an approved alternative made from a compatible material, kept ti closed when not in use. Store and use away from heat, sparks, open flame or ignition source. Use explosion-proof electrical (ventilating, lighting and materi handling) equipment. Use only non-sparking tools. Take precautionary meas against electrostatic discharges. Empty containers retain product residue and hazardous. Do not reuse container.</li> </ul>	in which Avoid een read pour or ate ot enter e original ghtly r any other al sures
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SECTION 7: Handl	ng 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	: Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

# **SECTION 8: Exposure controls/personal protection**

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

#### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values			
₩	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [xylene (o, m & p isomers)] STEL: 651 mg/m <sup>3</sup> 15 minutes. STEL: 150 ppm 15 minutes. TWA: 434 mg/m <sup>3</sup> 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 <sup>3</sup> 8 hours. STEL: 651 mg/m <sup>3</sup> 15 minutes. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 1/2023). [p-xylene and mixtures containing p-xylene] Ototoxicant.			
crystalline silica, respirable powder (<10 microns)	Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). TWA: 0.1 mg/m <sup>3</sup> 8 hours. Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [silica (inhalable particle)/ (respirable particulate)] TWA: 10 mg/m <sup>3</sup> 8 hours. Form: inhalable particle TWA: 3 mg/m <sup>3</sup> 8 hours. Form: respirable particulate Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [quartz silica crystalline–α-quartz and cristobalite]			
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	TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: measured as respirable fraction of the aerosol
	ACGIH TLV (United States, 1/2023). [Silica, crystalline] Notes: Respirable fraction; see Appendix C, paragraph C. TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable
titanium dioxide	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 10 mg/m <sup>3</sup> 8 hours.
	Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). TWA: 10 mg/m <sup>3</sup> 8 hours.
	ACGIH TLV (United States, 1/2023). TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: respirable fraction, finescale particles
crystalline silica, respirable powder (>10 microns)	•
	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [silica (inhalable particle)/ (respirable particulate)]
	TWA: 10 mg/m <sup>3</sup> 8 hours. Form: inhalable particle TWA: 3 mg/m <sup>3</sup> 8 hours. Form: respirable particulate Abu Dhabi - OSHAD - Occupational air quality threshold limit
	values (United Arab Emirates, 7/2016). [quartz silica crystalline–α-quartz and cristobalite] TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: measured as respirable fraction
	of the aerosol ACGIH TLV (United States, 1/2023). [Silica, crystalline] Notes: Respirable fraction; see Appendix C, paragraph C. TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable
Talc , not containing asbestiform fibres	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016).
	TWA: 2 mg/m <sup>3</sup> 8 hours. 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: 2 mg/m <sup>3</sup> 8 hours. <b>ACGIH TLV (United States, 1/2023).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable
ethylbenzene	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016).
	STEL: 543 mg/m <sup>3</sup> 15 minutes. STEL: 125 ppm 15 minutes.
	TWA: 100 ppm 8 hours. TWA: 434 mg/m <sup>3</sup> 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/m³ 8 hours. STEL: 543 mg/m³ 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.
bis(2-ethylhexyl) phthalate	TWA: 20 ppm 8 hours. Abu Dhabi - OSHAD - Occupational air quality threshold limit
	values (United Arab Emirates, 7/2016). TWA: 5 mg/m <sup>3</sup> 8 hours. Cabinet Decree (12) of 2006 Regarding Regulation Concerning
	English (GB)United Arab Emirates8/17

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	Protection of Air from Pollution (United Arab Emirates, 5/2006).TWA: 5 mg/m³ 8 hours.STEL: 10 mg/m³ 15 minutes.ACGIH TLV (United States, 1/2023). Absorbed through skin.Notes: 1999 Adoption.TWA: 0.1 mg/m³ 8 hours.
Recommended monitoring procedures	: Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
8.2 Exposure controls	
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation of 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 measured	<u>'es</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.
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.

# Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 Code : 00336389 Date of issue/Date of revision : 20 December 2023 SIGMACOVER 456 US BAS BAS L 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

will be necessary to reduce emissions to acceptable levels.

cases, fume scrubbers, filters or engineering modifications to the process equipment

# **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

Physical state		Liquid.				
Colour	4	Not available.				
Odour	1	Characteristic.				
Odour threshold	1	Not available.				
Melting point/freezing point	:	May start to solidify at the following temperature: 8 to 12°C (46.4 to 53.6°F) This is based on data for the following ingredient: bis-[4-(2,3-epoxipropoxi)phenyl]propane Weighted average: -71.11°C (-96°F)				
Initial boiling point and boiling range	:	>37.78°C				
Flammability	:	Not available.				
Upper/lower flammability or explosive limits	:	Greatest known range: Lowe	r: 0.8% Upp	er: 6.7% (xyle	ene)	
Flash point	:	Closed cup: 27.22°C				
Auto-ignition temperature	:	Ingredient name	°C	°F	Method	
		bis(2-ethylhexyl) phthalate	390	734		
Decomposition temperature	÷	Stable under recommended s	-	handling cond	litions (see Section 7).	
рН		Not applicable. insoluble in w	ater.	handling cond	litions (see Section 7).	
pH Viscosity			ater.	handling cond	litions (see Section 7).	
рН		Not applicable. insoluble in w	ater.	handling cond	ditions (see Section 7).	
pH Viscosity Solubility(ies)	: :	Not applicable. insoluble in w Kinematic (40°C): >21 mm²/s	ater.	handling cond	ditions (see Section 7).	
pH Viscosity Solubility(ies) Media	:	Not applicable. insoluble in w Kinematic (40°C): >21 mm²/s Result	ater.	handling cond	ditions (see Section 7).	
pH Viscosity Solubility(ies) Media cold water Water Solubility at room temperature Partition coefficient: n-octanol/	:	Not applicable. insoluble in w Kinematic (40°C): >21 mm²/s Result Not soluble 0.1 g/l	ater.	handling cond	Jitions (see Section 7).	
pH Viscosity Solubility(ies) Media cold water Water Solubility at room	:::::::::::::::::::::::::::::::::::::::	Not applicable. insoluble in w Kinematic (40°C): >21 mm²/s Result Not soluble 0.1 g/l	ater.	handling cond	ditions (see Section 7).	
pH Viscosity Solubility(ies) Media cold water Water Solubility at room temperature Partition coefficient: n-octanol/ water		Not applicable. insoluble in w Kinematic (40°C): >21 mm²/s Result Not soluble 0.1 g/l Not applicable.	ater.	handling cond	ditions (see Section 7).	
pH Viscosity Solubility(ies) Media cold water Water Solubility at room temperature Partition coefficient: n-octanol/ water Vapour pressure	· · · · · · · · · · · · · · · · · · ·	Not applicable. insoluble in w Kinematic (40°C): >21 mm²/s Result Not soluble 0.1 g/l Not applicable. 0.87 kPa (6.5 mm Hg)	ater.	handling cond	ditions (see Section 7).	
pH Viscosity Solubility(ies) Media cold water Water Solubility at room temperature Partition coefficient: n-octanol/ water Vapour pressure Evaporation rate	· · · · · · · · · · · · · · · · · · ·	Not applicable. insoluble in w Kinematic (40°C): >21 mm²/s Result Not soluble 0.1 g/l Not applicable. 0.87 kPa (6.5 mm Hg) 0.62 (butyl acetate = 1) 1.39 Highest known value: 13.45 average: 6.12 (Air = 1)	(Air = 1) (bis	s(2-ethylhexyl	) phthalate). Weighted	
pH Viscosity Solubility(ies) Media cold water Water Solubility at room temperature Partition coefficient: n-octanol/ water Vapour pressure Evaporation rate Relative density	· · · · · · · · · · · · · · · · · · ·	Not applicable. insoluble in w Kinematic (40°C): >21 mm²/s Result Not soluble 0.1 g/l Not applicable. 0.87 kPa (6.5 mm Hg) 0.62 (butyl acetate = 1) 1.39 Highest known value: 13.45	(Air = 1) (bis	s(2-ethylhexyl	) phthalate). Weighted	
pH Viscosity Solubility(ies) Media cold water Water Solubility at room temperature Partition coefficient: n-octanol/ water Vapour pressure Evaporation rate Relative density Vapour density		Not applicable. insoluble in w Kinematic (40°C): >21 mm²/s Result Not soluble 0.1 g/l Not applicable. 0.87 kPa (6.5 mm Hg) 0.62 (butyl acetate = 1) 1.39 Highest known value: 13.45 average: 6.12 (Air = 1) The product itself is not explo	(Air = 1) (bis osive, but the sible.	s(2-ethylhexyl	) phthalate). Weighted	
pH Viscosity Solubility(ies) Media cold water Water Solubility at room temperature Partition coefficient: n-octanol/ water Vapour pressure Evaporation rate Relative density Vapour density Explosive properties		Not applicable. insoluble in w Kinematic (40°C): >21 mm²/s Result Not soluble 0.1 g/l Not applicable. 0.87 kPa (6.5 mm Hg) 0.62 (butyl acetate = 1) 1.39 Highest known value: 13.45 average: 6.12 (Air = 1) The product itself is not explor vapour or dust with air is pose	(Air = 1) (bis osive, but the sible.	s(2-ethylhexyl	) phthalate). Weighted	

#### 9.2 Other information

No additional information.

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# **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 halogenated compounds metal oxide/oxides

# **SECTION 11: Toxicological information**

#### **11.1 Information on toxicological effects**

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>X</b> ylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
bis-[4-(2,3-epoxipropoxi)phenyl]propane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
bis(2-ethylhexyl) phthalate	LD50 Dermal	Rabbit	25 g/kg	-
	LD50 Oral	Rat	30 g/kg	-
Hydrocarbons, C9, aromatics > 0.1%	LD50 Dermal	Rabbit	>3160 mg/kg	-
cumene				
	LD50 Oral	Rat -	3492 mg/kg	-
		Female		
toluene	LC50 Inhalation Vapour	Rat	49 g/m³	4 hours
	LD50 Dermal	Rabbit	8.39 g/kg	-
	LD50 Oral	Rat	5580 mg/kg	-

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

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Eyes - Mild irritant	Rabbit	-	24 hours	-
	Eyes - Redness of the	Rabbit	0.4	24 hours	-
	conjunctivae				
	Skin - Oedema	Rabbit	0.5	4 hours	-
	Skin - Erythema/Eschar	Rabbit	0.8	4 hours	-
	Skin - Mild irritant	Rabbit	-	4 hours	-
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.

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# **SECTION 11: Toxicological information**

#### **Sensitisation**

Product/ingredient name bis-[4-(2,3-epoxipropoxi)phenyl]propane		Route of exposure	Species	Result
		skin	Mouse	Sensitising
Conclusion/Summary				
Skin	: There are no dat	ta available on the mixtu	re itself.	
Respiratory	: There are no dat	ta available on the mixtu	re itself.	
<u>Mutagenicity</u>				
Conclusion/Summary	: There are no dat	ta available on the mixtu	re itself.	
Carcinogenicity				
Conclusion/Summary	: There are no dat	ta available on the mixtu	re itself.	
Reproductive toxicity				
Conclusion/Summary	: There are no data available on the mixture itself.			
Teratogenicity				
Conclusion/Summary	: There are no dat	ta available on the mixtu	re itself.	
Specific target organ toxi	oity (oingle experies)	<b>N</b>		

#### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene Hydrocarbons, C9, aromatics > 0.1% cumene	Category 3 Category 3	-	Respiratory tract irritation Respiratory tract irritation
toluene	Category 3 Category 3	-	Narcotic effects Narcotic effects

#### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Quartz (SiO2)	- 5 5	inhalation	-
ethylbenzene	Category 2		hearing organs
toluene	Category 2	-	-

#### **Aspiration hazard**

Product/ingredient name	Result
xylene	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1
Hydrocarbons, C9, aromatics > 0.1% cumene	ASPIRATION HAZARD - Category 1
toluene	ASPIRATION HAZARD - Category 1

Information on likely : Not available. routes of exposure

Potential acute health effects

Inhalation	1	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 ph	iysi	ical, chemical and toxicological characteristics
Inhalation	:	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations

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	<u> </u>
Ingestion	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking reduced foetal weight increase in foetal deaths skeletal malformations
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Delayed and immediate effe	ts as well as chronic effects from short and long-term exposure
<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	<u>cts</u>
Not available.	
Conclusion/Summary	: Not available.
General	: Causes damage to organs through prolonged or repeated exposure. 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	: May damage fertility. May damage the unborn child.
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

May cause endocrine disruption.

#### **11.2.2 Other information**

Not available.

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# **SECTION 12: Ecological information**

## 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Acute LC50 1.8 mg/l Fresh water	Daphnia - <i>daphnia</i> magna	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	Daphnia -	-
	water	Ceriodaphnia dubia	
Hydrocarbons, C9, aromatics > 0.1% cumene	EC50 3.2 mg/l	Daphnia	48 hours
-	LC50 9.2 mg/l	Fish	96 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 Hydrocarbons, C9, aromatics > 0.1% cumene	-	79 % - Readily - 10 days 75 % - Readily - 28 days	-	-
Conclusion/Summary : There are no data available on the mixture itself				

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene	-	-	Readily
bis-[4-(2,3-epoxipropoxi)phenyl]propane	-	-	Not readily
ethylbenzene	-	-	Readily
Hydrocarbons, C9, aromatics > 0.1% cumene	-	-	Readily
toluene	-	-	Readily

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
₩ylene	3.12	7.4 to 18.5	Low
ethylbenzene	3.6	79.43	Low
bis(2-ethylhexyl) phthalate	7.6	588.84	High
toluene	2.73	8.32	Low

#### 12.4 Mobility in soil

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

#### 12.5 Results of PBT and vPvB assessment

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

#### **12.6 Endocrine disrupting properties**

May cause endocrine disruption.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

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## **SECTION 13: Disposal considerations**

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

#### **13.1 Waste treatment methods**

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### European waste catalogue (EWC)

Waste code	Waste designation		
08 01 99	wastes not otherwise specified		
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	taken when h Empty conta residues may Do not cut, w	I and its container must be disposed of in a safe way. Care should be nandling emptied containers that have not been cleaned or rinsed out. iners or liners may retain some product residues. Vapour from product y create a highly flammable or explosive atmosphere inside the container. yeld or grind used containers unless they have been cleaned thoroughly void dispersal of spilt material and runoff and contact with soil, waterways, ewers.	

# **SECTION 14: Transport information**

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number or ID number	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	Ш	Ш	111
14.5 Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

#### **Additional information**

ADR/RID	: None identified.
Tunnel code	: (D/E)
IMDG	: None identified.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878					
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SECTION 14: Trans	oort information				
IATA : None ide	entified.				
14.6 Special precautions for user	<b>Transport within user's premises:</b> always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.				
14.7 Transport in bulk according to IMO instruments	: Not applicable.				

## **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

#### Annex XIV - List of substances subject to authorisation

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
Toxic to reproduction	bis(2-ethylhexyl) phthalate	Listed	4	12/14/2021
Endocrine disrupting properties for human health	bis(2-ethylhexyl) phthalate	Listed	4	12/14/2021

#### Substances of very high concern

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
Toxic to reproduction	bis(2-ethylhexyl) phthalate	Recommended	ED/30/2017	7/10/2019
Endocrine disrupting properties for human health	bis(2-ethylhexyl) phthalate	Recommended	ED/30/2017	7/10/2019
Endocrine disrupting properties for environment	bis(2-ethylhexyl) phthalate	Recommended	ED/30/2017	7/10/2019

Annex XVII - Restrictions : Restricted to professional users. 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** : No Chemical Safety Assessment has been carried out.

assessment

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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>		gulation (EC) No.
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>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>H350 May cause cancer.</li> <li>H360FD May damage fertility. May damage the unborn child.</li> <li>H361d Suspected of damaging the unborn child.</li> <li>H372 Causes damage to organs through prolonged or repeated exposure.</li> <li>H373 May cause damage to organs through prolonged or repeated exposure.</li> <li>H374 Harmful to aquatic life with long lasting effects.</li> <li>EUH066 Repeated exposure may cause skin dryness or cracking.</li> </ul>		epeated exposure.
Full text of classifications [CLP/GHS]	: Acute Tox. 4 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Carc. 1B Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Repr. 1B Repr. 2 Skin Irrit. 2 Skin Sens. 1 STOT RE 1 STOT RE 2 STOT SE 3	ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT ASPIRATION HAZARD - Category CARCINOGENICITY - Category 1E SERIOUS EYE DAMAGE/EYE IRR FLAMMABLE LIQUIDS - Category FLAMMABLE LIQUIDS - Category REPRODUCTIVE TOXICITY - Cate REPRODUCTIVE TOXICITY - Cate SKIN CORROSION/IRRITATION - SKIN SENSITISATION - Category SPECIFIC TARGET ORGAN TOXI EXPOSURE - Category 1 SPECIFIC TARGET ORGAN TOXI EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXI EXPOSURE - Category 3	IC HAZARD - Category 3 1 3 RITATION - Category 2 2 3 egory 1B egory 2 Category 2 1 ICITY - REPEATED ICITY - REPEATED
History		EXPOSITE - Calegory 5	
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#### <u>Disclaimer</u>

Version

**Prepared by** 

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