# **SAFETY DATA SHEET**

United Arab Emirates

Date of issue/Date of revision

: 30 October 2024

Version

: 3.04

SECTION 1: Identific undertaking	ation of the substance/mixture and of the company/
1.1 Product identifier	
Product name	: SIGMAZINC 102 HS BASE REDBROWN
Product code	: 00247139
Other means of identificati Not available.	on
1.2 Relevant identified uses	of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	the safety data sheet
Sigma Paint Saudi Arabia Lto PO Box 7509 Dammam 31472 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34	
e-mail address of person responsible for this SDS	: ndpic@sfda.gov.sa
1.4 Emergency telephone number	: 00966 138473100 extn 1001
SECTION 2: Hazards	dentification

2.1 Classification of the substance or mixture Product definition : Mixture <u>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]</u> Flam. Liq. 3, H226

Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements Hazard pictograms				
Signal word	: Warning			
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**SECTION 2: Hazards identification** 

Hazard statements	: Flammable liquid and vapour.
וומבמות שומוכווופוונש	Causes skin irritation.
	May cause an allergic skin reaction.
	Causes serious eye irritation.
	Very toxic 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. Avoid release to the environment. Avoid breathing vapour.
Response	: Collect spillage.
Storage	: Not applicable.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
	P280, P210, P273, P261, P391, P501
Supplemental label	: 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	nents
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
Żinc powder zinc dust (stabilised)	REACH #: 01-2119467174-37 EC: 231-175-3 CAS: 7440-66-6 Index: 030-001-01-9	≥50 - ≤75	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
Epoxy Resin (700 <mw &lt;=1100)</mw 	CAS: 25036-25-3	≥5.0 - ≤10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[1]
		English	(GB) United Arab Er	mirates	2/17

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SIGMAZINC 102 HS BASE I	REDBROWN				
SECTION 3: Compo	osition/informat	ion on ii	ngredients		
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]
zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≥1.0 - ≤5.0	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
Hydrocarbons, C9, aromatics > 0.1% cumene	REACH #: 01-2119455851-35 EC: 918-668-5 CAS: 128601-23-0	≥1.0 - ≤5.0	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] [2]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥1.0 - ≤5.0	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]
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≥1.0 - ≤5.0	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
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]
Octadecanamide, N, N'-1,6-hexanediylbis [12-hydroxy-	CAS: 55349-01-4	<1.0	Skin Sens. 1, H317 Aquatic Chronic 4, H413 See Section 16 for the full text of the H statements declared above.	-	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

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

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

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

SUB codes represent substances without registered CAS Numbers.

### **SECTION 4: First aid measures**

4.1 Description of first aid m	neasures
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. 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

4.2 Wost important symp	toms and enects, both acute and delayed
Potential acute health e	effects
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/s	<u>ymptoms</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.
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.

## **SECTION 5: Firefighting 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

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## **SECTION 5: Firefighting measures**

able liquid and vapour. Runoff to sewer may create fire or explosion hazard. In if heated, a pressure increase will occur and the container may burst, with the subsequent explosion. This material is very toxic to aquatic life with long effects. Fire water contaminated with this material must be contained and
ed from being discharged to any waterway, sewer or drain.
position products may include the following materials: oxides xide/oxides
y isolate the scene by removing all persons from the vicinity of the incident if a fire. No action shall be taken involving any personal risk or without suitable Move containers from fire area if this can be done without risk. Use water keep fire-exposed containers cool.
ters should wear appropriate protective equipment and self-contained breathing us (SCBA) with a full face-piece operated in positive pressure mode. Clothing ighters (including helmets, protective boots and gloves) conforming to European d EN 469 will provide a basic level of protection for chemical incidents.

## **SECTION 6: Accidental 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. Collect spillage.
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other 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.

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### **SECTION 7: Handling and storage**

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

#### 7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. 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				
₩ydrocarbons, C9, aromatics > 0.1% cumene	EU OEL (Europe)			
	TWA: 19 ppm.			
	TWA: 100 mg/m³.			
xylene	Ministry of Labor	(France, 9/2023) [xylènes, isomères mi	xtes,	
	purs] Absorbed thr	ough skin.		
	STEL 15 minutes:	442 mg/m <sup>3</sup> .		
	STEL 15 minutes:	100 ppm.		
	TWA 8 hours: 221 mg/m <sup>3</sup> .			
	TWA 8 hours: 50 ppm.			
1-methoxy-2-propanol	Ministry of Labor	France, 9/2023) Absorbed through skin.		
	TWA 8 hours: 50	opm.		
	TWA 8 hours: 188 mg/m <sup>3</sup> .			
	STEL 15 minutes:	375 mg/m <sup>3</sup> .		
	STEL 15 minutes:	100 ppm.		
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ethylbenzene	Ministry of Labor (France, 9/2023) Absorb	ed 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.		

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> . Form: Respirable fraction.         Zinc oxide       AGGIH TLV (United States, 7/2023) A4.         TWA 8 hours: 2 mg/m <sup>3</sup> . Form: Respirable fraction.       Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016)         STEL 15 minutes: 10 mg/m <sup>3</sup> . Form: measured as respirable fraction of the aerosol and fume.       Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006 TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Keepirable fraction.         STEL 15 minutes: 10 mg/m <sup>3</sup> . Form: Respirable fraction.       STEL 15 minutes: 10 mg/m <sup>3</sup> . Form: Keepirable fraction.         xylene       Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) (xylene (o, m & p isome A4.         xylene       Xbu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 17/2016) (xylene (o, m & p isome A4.         STEL 15 minutes: 150 ppm.       TWA 8 hours: 100 ppm.         Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006 [xylene (al isomers)]         sTEL 15 minutes: 651 mg/m <sup>3</sup> .         TWA 8 hours: 30 ppm.         Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006 [xylene (al isomers)]         sTEL 15 minutes: 651 mg/m <sup>3</sup> .         S	Product/ingredient name	Exposure limit values
1-methoxy-2-propanol       values (United Arab Emirates, 7/2016)         STEL 15 minutes: 10 mg/m³. Form: measured as respirable fraction of the aerosol and fume.       TWA 8 hours: 2 mg/m³. Form: measured as respirable fraction of the aerosol and fume.         Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006)       TWA 8 hours: 5 mg/m³. Form: fumes.         ACCHIT LV (United States, 7/2023)       TWA 8 hours: 2 mg/m³. Form: Respirable fraction.         STEL 15 minutes: 10 mg/m³. Form: Respirable fraction.       STEL 15 minutes: 10 mg/m³. Form: Respirable fraction.         STEL 15 minutes: 0.000 mg/m³. Form: Respirable fraction.       STEL 15 minutes: 100 mg/m³. Form: Respirable fraction.         STEL 15 minutes: 0.000 mg/m³. Form: Respirable fraction.       STEL 15 minutes: 100 mg/m³. Form: Respirable fraction.         Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 5/2006)       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/m³.       TWA 8 hours: 434 mg/m³.         TWA 8 hours: 100 ppm.       CGHIT LV (United States, 7/2023) [p-xylene and mixtures containing p-xylene] A4.       StEL 15 minutes: 100 ppm.         1-methoxy-2-propanol       Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016)       TWA 8 hours: 309		<ul> <li>values (United Arab Emirates, 7/2016) A4. TWA 8 hours: 2 mg/m<sup>3</sup>. Form: measured as respirable fraction of the aerosol.</li> <li>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>.</li> <li>ACGIH TLV (United States, 7/2023) A4. TWA 8 hours: 2 mg/m<sup>3</sup>. Form: Respirable fraction.</li> </ul>
<ul> <li>values (United Arab Emirates, 7/2016) [xylene (o, m &amp; p isome A4.</li> <li>STEL 15 minutes: 651 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 150 ppm.</li> <li>TWA 8 hours: 434 mg/m<sup>3</sup>.</li> <li>TWA 8 hours: 100 ppm.</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006) [xylene (all isomers)]</li> <li>STEL 15 minutes: 150 ppm.</li> <li>TWA 8 hours: 434 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 651 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 651 mg/m<sup>3</sup>.</li> <li>TWA 8 hours: 434 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 651 mg/m<sup>3</sup>.</li> <li>TWA 8 hours: 434 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 651 mg/m<sup>3</sup>.</li> <li>TWA 8 hours: 20 ppm.</li> <li>ACGIH TLV (United States, 7/2023) [p-xylene and mixtures containing p-xylene] A4. Ototoxicant.</li> <li>TWA 8 hours: 20 ppm.</li> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016)</li> <li>TWA 8 hours: 100 ppm.</li> <li>STEL 15 minutes: 563 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 150 ppm.</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006).</li> <li>STEL 15 minutes: 150 ppm.</li> <li>STEL 15 minutes: 150 ppm.</li> <li>STEL 15 minutes: 150 ppm.</li> </ul>	zinc oxide	<ul> <li>values (United Arab Emirates, 7/2016)</li> <li>STEL 15 minutes: 10 mg/m<sup>3</sup>. Form: measured as respirable fraction of the aerosol and fume.</li> <li>TWA 8 hours: 2 mg/m<sup>3</sup>. Form: measured as respirable fraction of the aerosol and fume.</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006)</li> <li>TWA 8 hours: 5 mg/m<sup>3</sup>. Form: fumes.</li> <li>STEL 15 minutes: 10 mg/m<sup>3</sup>. Form: fumes.</li> <li>ACGIH TLV (United States, 7/2023)</li> <li>TWA 8 hours: 2 mg/m<sup>3</sup>. Form: Respirable fraction.</li> </ul>
values (United Arab Emirates, 7/2016) TWA 8 hours: 369 mg/m <sup>3</sup> . TWA 8 hours: 100 ppm. STEL 15 minutes: 553 mg/m <sup>3</sup> . STEL 15 minutes: 150 ppm. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006) STEL 15 minutes: 150 ppm. TWA 8 hours: 369 mg/m <sup>3</sup> . STEL 15 minutes: 553 mg/m <sup>3</sup> . TWA 8 hours: 100 ppm.	xylene	<ul> <li>values (United Arab Emirates, 7/2016) [xylene (o, m &amp; p isomers)]</li> <li>A4.</li> <li>STEL 15 minutes: 651 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 150 ppm.</li> <li>TWA 8 hours: 434 mg/m<sup>3</sup>.</li> <li>TWA 8 hours: 100 ppm.</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning</li> <li>Protection of Air from Pollution (United Arab Emirates, 5/2006)</li> <li>[xylene (all isomers)]</li> <li>STEL 15 minutes: 150 ppm.</li> <li>TWA 8 hours: 434 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 651 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 651 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 651 mg/m<sup>3</sup>.</li> <li>TWA 8 hours: 100 ppm.</li> <li>ACGIH TLV (United States, 7/2023) [p-xylene and mixtures containing p-xylene] A4. Ototoxicant.</li> </ul>
	1-methoxy-2-propanol	<ul> <li>values (United Arab Emirates, 7/2016)</li> <li>TWA 8 hours: 369 mg/m<sup>3</sup>.</li> <li>TWA 8 hours: 100 ppm.</li> <li>STEL 15 minutes: 553 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 150 ppm.</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning</li> <li>Protection of Air from Pollution (United Arab Emirates, 5/2006)</li> <li>STEL 15 minutes: 150 ppm.</li> <li>TWA 8 hours: 369 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 553 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 553 mg/m<sup>3</sup>.</li> <li>STEL 15 minutes: 750 ppm.</li> </ul>

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ethylbenzene		TWA 8 hours: 50 ppm. TWA 8 hours: 184 mg/m <sup>3</sup> . STEL 15 minutes: 100 ppm. STEL 15 minutes: 369 mg/m <sup>3</sup> . Abu Dhabi - OSHAD - Occupational air qu 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.	
diiron trioxide		TWA 8 hours: 434 mg/m <sup>3</sup> . <b>Cabinet Decree (12) of 2006 Regarding Re</b> <b>Protection of Air from Pollution (United A</b> STEL 15 minutes: 125 ppm. TWA 8 hours: 434 mg/m <sup>3</sup> . STEL 15 minutes: 543 mg/m <sup>3</sup> . TWA 8 hours: 100 ppm. <b>ACGIH TLV (United States, 7/2023)</b> A3. Ote TWA 8 hours: 20 ppm. <b>Abu Dhabi - OSHAD - Occupational air qu</b>	rab Emirates, 5/2006)
		<ul> <li>values (United Arab Emirates, 7/2016) A4. TWA 8 hours: 5 mg/m<sup>3</sup>. Form: measured a the aerosol.</li> <li>Cabinet Decree (12) of 2006 Regarding Re Protection of Air from Pollution (United A TWA 8 hours: 5 mg/m<sup>3</sup>.</li> <li>ACGIH TLV (United States, 7/2023) A4. TWA 8 hours: 5 mg/m<sup>3</sup>. Form: Respirable f</li> </ul>	s respirable fraction of egulation Concerning rab Emirates, 5/2006)
<b>x</b> ylene		<b>DOL BEI (South Africa, 3/2021) [xylenes]</b> BEI: 1.5 g/g creatinine, methylhippuric acid end of shift.	[in urine]. Sampling time:
ethylbenzene		<b>DOL BEI (South Africa, 3/2021)</b> BEI: 0.15 g/g creatinine, sum of mandelic a acid [in urine]. Sampling time: end of shift.	cid and phenylglyoxylic
Recommended monitoring procedures	Standard EN 689 by inhalation to c strategy) Europe application and u biological agents requirements for agents) Referen	d be made to monitoring standards, such as the O (Workplace atmospheres - Guidance for the chemical agents for comparison with limit value can Standard EN 14042 (Workplace atmospheres use of procedures for the assessment of expose ) European Standard EN 482 (Workplace atmosphere) the performance of procedures for the measure the performance of procedures for the measure to national guidance documents for metho postances will also be required.	assessment of exposure es and measurement eres - Guide for the sure to chemical and nospheres - General urement of chemical
8.2 Exposure controls Appropriate engineering controls	other engineering recommended o	equate ventilation. Use process enclosures, lo g controls to keep worker exposure to airborne r statutory limits. The engineering controls als oncentrations below any lower explosive limits ment.	e contaminants below any so need to keep gas,
Individual protection measur	<u>'es</u>		
Hygiene measures	: Wash hands, for eating, smoking Appropriate tech Contaminated we contaminated clo	earms and face thoroughly after handling che and using the lavatory and at the end of the w niques should be used to remove potentially c ork clothing should not be allowed out of the w othing before reusing. Ensure that eyewash st se to the workstation location.	orking period. ontaminated clothing. /orkplace. Wash

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Eye/face protection <u>Skin protection</u>	: 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 anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory protection</b>	:
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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

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

#### 9.1 Information on basic physical and chemical properties

<u>Appearance</u>				
Physical state	: Liquid.			
Colour	: Not available.			
Odour	: Characteristic.			
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 availal	ble on the mix	ture itself.
Upper/lower flammability or explosive limits	: Not available.			
Flash point	: Closed cup: 28.5°C			
<ul> <li>E. T. C. T.</li> </ul>				
Auto-ignition temperature	: Ingredient name	°C	°F	Method
	Ingredient name     1-methoxy-2-propanol	° <b>C</b> 270	° <b>F</b> 518	Method

OWN         I chemical pro         I ynamic (room tem         Kinematic (room ter         Kinematic (40°C): >         Result         Not soluble         Not applicable.	• iperature): mperature)	Not ava				
Øynamic (room tem         Kinematic (room ter         Kinematic (40°C): >         Result         Not soluble	• iperature): mperature)	Not ava				
Kinematic (room ter Kinematic (40°C): > Result Not soluble	, mperature)					
Not soluble						
Not soluble						
Not applicable.						
: Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
ethylbenzene	9.30076	1.2				
2.24						
•			the formation	of an exp	olosible m	nixture of
Product does not pr	esent an o	xidizing	hazard.			
	2.24 The product itself is vapour or dust with Product does not pr	mm Hgethylbenzene9.300762.242.24The product itself is not explose vapour or dust with air is possi Product does not present an or	mm HgkPaEthylbenzene9.300761.22.24The product itself is not explosive, but vapour or dust with air is possible.Product does not present an oxidizing	mm HgkPaMethodPthylbenzene9.300761.22.242.24The product itself is not explosive, but the formation	mm HgkPaMethodmm HgEthylbenzene9.300761.22.24The product itself is not explosive, but the formation of an exp vapour or dust with air is possible. Product does not present an oxidizing hazard.	mm Hg       kPa       Method       mm Hg       kPa         ethylbenzene       9.30076       1.2       1.2       1.2         2.24       The product itself is not explosive, but the formation of an explosible myapour or dust with air is possible.       Product does not present an oxidizing hazard.

#### 9.2 Other information

No additional information.

SECTION 10: Stabilit	y 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	<ul> <li>Evolves hydrogen on contact with water. Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides</li> </ul>

## **SECTION 11: Toxicological information**

11.1 Information on toxicological effects Acute toxicity

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### **SECTION 11: Toxicological information**

Product/ingredient name	Result	Species	Dose	Exposure
zinc powder zinc dust (stabilised)	LC50 Inhalation Dusts and	Rat	>5.4 mg/l	4 hours
	mists			
	LD50 Oral	Rat	>2000 mg/kg	-
Epoxy Resin (700 <mw<=1100)< td=""><td>LD50 Dermal</td><td>Rat</td><td>&gt;2000 mg/kg</td><td>-</td></mw<=1100)<>	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
bis-[4-(2,3-epoxipropoxi)phenyl]propane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-
zinc oxide	LC50 Inhalation Dusts and	Rat	>5700 mg/m <sup>3</sup>	4 hours
	mists		_	
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Hydrocarbons, C9, aromatics > 0.1%	LD50 Dermal	Rabbit	>3160 mg/kg	-
cumene				
	LD50 Oral	Rat -	3492 mg/kg	-
		Female		
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/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	-
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	-

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

#### Irritation/Corrosion

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

#### Conclusion/Summary

- **Skin** : There are no data available on the mixture itself.
  - : There are no data available on the mixture itself.
- Respiratory

Eyes

: There are no data available on the mixture itself.

#### **Sensitisation**

Product/ingredient name	Route of exposure	Species	Result
bis-[4-(2,3-epoxipropoxi)phenyl]propane	skin	Mouse	Sensitising
Conclusion/Summary	·		

Skin	1	There are no data available on the mixture itself.
Respiratory	1	There are no data available on the mixture itself.
<u>Mutagenicity</u>		
Conclusion/Summary	:	There are no data available on the mixture itself.
<b>Carcinogenicity</b>		
Conclusion/Summary	:	There are no data available on the mixture itself.
Reproductive toxicity		
<b>Conclusion/Summary</b>	:	There are no data available on the mixture itself.

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**SECTION 11: Toxicological information** 

#### **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
Hydrocarbons, C9, aromatics > 0.1% cumene	Category 3 Category 3	-	Respiratory tract irritation Narcotic effects
xylene 1-methoxy-2-propanol	Category 3 Category 3	-	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/in	ngredient name	Result
xylene		ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
Information on likely routes of exposure	: Not available.	
Potential acute health effect	<u>s</u>	
Inhalation	: No known significant effects or criti	cal hazards.
Ingestion	: No known significant effects or criti	cal 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 sectors of the sector sectors and the sector sector sectors and the sector sectors are sectors and the sector sectors are sectors	ysical, chemical and toxicological cl	naracteristics
Inhalation	: No specific data.	
Ingestion	: No specific data.	
Skin contact	: Adverse symptoms may include the irritation redness dryness cracking	e following:
Eye contact	: Adverse symptoms may include the pain or irritation watering redness	e following:
Delayed and immediate effe	cts as well as chronic effects from s	hort 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 Potential chronic health effe		

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## **SECTION 11: Toxicological information**

#### Not available.

<b>Conclusion/Summary</b>	: Not available.
General	<ul> <li>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.</li> </ul>
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.

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
zínc powder zinc dust (stabilised)	Acute EC50 0.106 mg/l	Algae -	72 hours
	Fresh water	Pseudokirchneriella	
		subcapitata	
	Acute EC50 354 µg/l Fresh	Daphnia - Daphnia	48 hours
	water	magna	
	Chronic EC10 6.3 µg/l	Daphnia - <i>Daphnia magna -</i> Neonate	21 days
	Chronic LC10 185 µg/l Fresh	Fish - Oncorhynchus	30 days
	water	<i>mykiss</i> - Juvenile	
		(Fledgling, Hatchling,	
		Weanling)	
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Acute LC50 1.8 mg/l Fresh	Daphnia - <i>daphnia</i>	48 hours
	water	magna	
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
zinc oxide	Acute EC50 0.17 mg/l	Algae	72 hours
	Acute EC50 0.481 mg/l	Daphnia - <i>Daphnia</i>	48 hours
	Fresh water	<i>magna</i> - Neonate	
	Chronic NOEC 0.017 mg/l	Algae	72 hours
	Fresh water		
Hydrocarbons, C9, aromatics > 0.1% cumene	EC50 3.2 mg/l	Daphnia	48 hours
	LC50 9.2 mg/l	Fish	96 hours
1-methoxy-2-propanol	Acute LC50 23300 mg/l	Daphnia	48 hours
	Acute LC50 >4500 mg/l	Fish	96 hours
	Fresh water		
ethylbenzene	Acute EC50 1.8 mg/l Fresh	Daphnia	48 hours
	water		
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	

**Conclusion/Summary** 

: There are no data available on the mixture itself.

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## SECTION 12: Ecological information

#### 12.2 Persistence and degradability

Product/ingredient name	Test	F	Result		Dose		Inoculum
Hydrocarbons, C9, aromatics > 0.1% cumene	-	7	5 % - Readily - 28 day	'S	-		-
ethylbenzene	-	79	9 % - Readily - 10 day	'S	-		-
Conclusion/Summary	: There are no	o data a	available on the mixtur	e itself.			
Product/ingredient name			Aquatic half-life	Photo	lysis	В	iodegradability
s-[4-(2,3-epoxipropoxi)phenyl]propane		-	-		No	ot readily	
Hydrocarbons, C9, aromatics > 0.1% cumene		-	-		Re	eadily	
xylene		-	-		Re	eadily	
ethylbenzene -		-	-		Re	eadily	

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
<b>x</b> ylene	3.12	7.4 to 18.5	Low
1-methoxy-2-propanol	<1	-	Low
ethylbenzene	3.6	79.43	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

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		
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 catalogu	e (E	EWC)

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### **SECTION 13: Disposal considerations**

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

### 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	aging European waste catalogue (EWC)	
Container	15 01 06	mixed packaging
Special precautions	taken when Empty conta residues ma Do not cut, v	I and its container must be disposed of in a safe way. Care should be handling 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. veld 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	III	III	
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	☑ inc powder - zinc dust (stabilized))	Not applicable.

#### Additional information

ADR/RID	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
Tunnel code	: (D/E)
IMDG	: The marine pollutant mark is not required when transported in sizes of $\leq 5$ L or $\leq 5$ kg.
ΙΑΤΑ	: The environmentally hazardous substance mark may appear if required by other transportation regulations.
14.6 Special pre	ecautions for : Transport within user's premises: always transport in closed containers that are

**user** user 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	: Not applicable.
· · · · · · · · · · · · · · · · · · ·	
instruments	

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SECTION 15: Regulatory information	on	
15.1 Safety, health and environmental regulation	s/legislation specific for the substance or	mixture
EU Regulation (EC) No. 1907/2006 (REACH)		
Annex XIV - List of substances subject to auth	orisation	
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.		
<b>Explosive precursors</b> : Not applicable.		
Ozone depleting substances (1005/2009/EU)		
Not listed.		

## **SECTION 16: Other information**

Indicates information that	t 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>H319 Causes serious eye irritation.</li> <li>H32 Harmful if inhaled.</li> <li>H335 May cause respiratory irritation.</li> <li>H336 May cause drowsiness or dizziness.</li> <li>H350 May cause damage to organs through prolonged or repeated exposure.</li> <li>H400 Very toxic to aquatic life.</li> <li>H410 Very toxic to aquatic life with long lasting effects.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> <li>H413 May cause long lasting harmful effects to aquatic life.</li> <li>EUH066 Repeated exposure may cause skin dryness or cracking.</li> </ul>

# Full text of classifications [CLP/GHS]

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SECTION 16: Oth	ner information			
	: Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Aquatic Chronic 4 Asp. Tox. 1 Carc. 1B Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Skin Irrit. 2 Skin Sens. 1 STOT RE 2 STOT SE 3	ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC LONG-TERM (CHRONIC) AQUATIC LONG-TERM (CHRONIC) AQUATIC LONG-TERM (CHRONIC) AQUATIC LONG-TERM (CHRONIC) AQUATIC ASPIRATION HAZARD - Category 7 CARCINOGENICITY - Category 1B SERIOUS EYE DAMAGE/EYE IRRI FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - C SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXIC EXPOSURE - Category 2	C HAZARD - Category 1 C HAZARD - Category 2 C HAZARD - Category 3 C HAZARD - Category 4 I TATION - Category 2 Category 2 CITY - REPEATED	
<u>History</u> Date of issue/ Date of revision	: 30 October 2024			
Date of previous issue	: 21 October 2023			
Prepared by	: EHS			
Version	: 3.04			

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