SAFETY DATA SHEET

Date of issue/Date of revision

: 14 May 2024

Version

: 2.05

Saudi Arabia



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

1.1 Product identifier Product name : SIGMAWELD 199 PASTE REDBROWN **Product code** : 000001099082 Other means of identification 00156917; 00158331; 00160925; 00174027; 00422011; 00477594 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/ : Coating. mixture : Product is not intended, labelled or packaged for consumer use. **Uses advised against** 1.3 Details of the supplier of the safety data sheet Sigma Paint Saudi Arabia Ltd. PO Box 7509, Dammam 31472 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34 e-mail address of person : PS.ACEMEA@ppg.com responsible for this SDS

1.4 Emergency telephone : 00966 138473100 extn 1001 number

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. 2, H225

 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

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SECTION 2: Hazards	identification		
Hazard pictograms		× 1	
Signal word	: Danger		
Hazard statements	: Highly flammable liquid ar Causes skin irritation. May cause an allergic skir Causes serious eye irritati Very toxic to aquatic life w	n reaction. on.	
Precautionary statements			
Prevention		/ear eye or face protection. Keep av mes and other ignition sources. No s reathing vapour.	
Response	: Collect spillage.		
Storage	: Not applicable.		
Disposal	: Dispose of contents and c international regulations. P280, P210, P273, P261,	container in accordance with all local P391, P501	, regional, national and
Hazardous ingredients	: Fatty acids, C18-unsatd., Fatty acids, tall-oil, compo	trimers, compds. with oleylamine ls. with oleylamine	
Supplemental label elements	: Not applicable.		
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.		
Special packaging requirem	<u>ents</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 con	tain any substances that are assess	ed to be a PBT or a vPvE
Other hazards which do not result in classification	: Prolonged or repeated con	ntact may dry skin and cause irritatio	n.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

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SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
Źnc powder zinc dust (stabilised)	REACH #: 01-2119467174-37 EC: 231-175-3 CAS: 7440-66-6 Index: 030-001-01-9	≥25 - ≤50	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
xylene	REACH #: 01-2119488216-32 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]
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≥5.0 - ≤10	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≥5.0 - ≤10	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[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]
propan-2-ol	REACH #: 01-2119457558-25 EC: 200-661-7 CAS: 67-63-0 Index: 603-117-00-0	≥1.0 - ≤4.0	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	-	[1] [2]
Fatty acids, C18-unsatd., trimers, compds. with oleylamine	REACH #: 01-2119971821-33 CAS: 147900-93-4	≤0.30	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373 (gastrointestinal tract, immune system, liver) (oral) Aquatic Chronic 2, H411	ATE [Oral] = 500 mg/ kg	[1]
Fatty acids, tall-oil, compds. with oleylamine	REACH #: 01-2119974148-28 EC: 288-315-1 CAS: 85711-55-3	≤0.30	Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT RE 2, H373 (gastrointestinal tract) (oral)	-	[1]
		English	(GB) Saudi	Arabia	3/16

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

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SECTION 3: Composition/information on ingredients

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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. <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.

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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health 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/symptoms 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 watering redness Inhalation : No specific data. Skin contact : Adverse symptoms may include the following: irritation redness cracking Ingestion : No specific data. 4.3 Indication of any immediate medical attention and special treatment needed Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Specific treatments : No specific treatment.		English (GB)) Saudi Arabia	4/16
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/symptoms	Specific treatments	: No specific treatment.		
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Eye contact : Causes serious eye irritation.	Skin contact	: Causes skin irritation. Defatting t	ວ the skin. May cause an allergic skin re	eaction.
	Inhalation	: No known significant effects or cr	itical hazards.	
Potential acute health effects	Eye contact	: Causes serious eye irritation.		
4.2 most important symptoms and enects, both acute and delayed		· · · · · · · · · · · · · · · · · · ·		

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5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising f	rom the substance or mixture
Hazards from the substance or mixture	: Highly 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 very toxic 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 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.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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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.

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SECTION 6: Accidental release measures

Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other sections	 See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

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

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). 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.

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SECTION 8: Exposure controls/personal protection

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

8.1 Control parameters

Occupational exposure limits

	name	Exposure limit values
viene		EU OEL (Europe, 1/2022). [xylene, mixed isomers] Absorbed through skin. STEL: 442 mg/m ³ 15 minutes. STEL: 100 ppm 15 minutes. TWA: 221 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.
1-methoxy-2-propanol		EU OEL (Europe, 1/2022). Absorbed through skin. STEL: 568 mg/m ³ 15 minutes. STEL: 150 ppm 15 minutes. TWA: 375 mg/m ³ 8 hours. TWA: 100 ppm 8 hours.
ethylbenzene		EU OEL (Europe, 1/2022). Absorbed through skin. STEL: 884 mg/m ³ 15 minutes. STEL: 200 ppm 15 minutes. TWA: 442 mg/m ³ 8 hours. TWA: 100 ppm 8 hours.
propan-2-ol		ACGIH TLV (United States, 7/2023). STEL: 400 ppm 15 minutes. TWA: 200 ppm 8 hours.
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 following: European (Workplace atmospheres - Guidance for the assessment of exposure themical agents for comparison with limit values and measurement ean Standard EN 14042 (Workplace atmospheres - Guide for the use of procedures for the assessment of exposure to chemical and European Standard EN 482 (Workplace atmospheres - General the performance of procedures for the measurement of chemical action to the assessments for methods for the determination postances will also be required.
Appropriate engineering	other engineering recommended of vapour or dust co	g controls to keep worker exposure to airborne contaminants below any r statutory limits. The engineering controls also need to keep gas, oncentrations below any lower explosive limits. Use explosion-proof
Appropriate engineering controls	other engineering recommended of vapour or dust co ventilation equip	g controls to keep worker exposure to airborne contaminants below any r statutory limits. The engineering controls also need to keep gas, oncentrations below any lower explosive limits. Use explosion-proof
Appropriate engineering controls Individual protection measure	other engineering recommended of vapour or dust co ventilation equip s Wash hands, for eating, smoking Appropriate tech Contaminated we contaminated clo	g controls to keep worker exposure to airborne contaminants below any r statutory limits. The engineering controls also need to keep gas, oncentrations below any lower explosive limits. Use explosion-proof
controls Individual protection measure Hygiene measures	other engineering recommended of vapour or dust co ventilation equip s Wash hands, for eating, smoking Appropriate tech Contaminated we contaminated clo	earms and face thoroughly after handling chemical products, before and using the lavatory and at the end of the working period. niques should be used to remove potentially contaminated clothing. ork clothing should not be allowed out of the workplace. Wash othing before reusing. Ensure that eyewash stations and safety se to the workstation location.

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	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.
Respiratory protection	:
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

Appearance	
Physical state	: Liquid.
Colour	: Brownish-red.
Odour	: Aromatic.
Odour threshold	: Not available.
Melting point/freezing point	: May start to solidify at the following temperature: -90°C (-130°F) This is based on data for the following ingredient: Isopropyl alcohol. Weighted average: -94.9°C (-138.8°F)
Initial boiling point and boiling range	: >37.78°C
Flammability	: Not available.
Upper/lower flammability or explosive limits	: Greatest known range: Lower: 1.48% Upper: 13.74% (1-methoxy-2-propanol)
Flash point	: Closed cup: 20.4°C
Auto-ignition temperature	: 287°C (548.6°F)
Decomposition temperature	: Stable under recommended storage and handling conditions (see Section 7).
рН	: Not applicable. insoluble in water.
Viscosity	: Kinematic (40°C): >21 mm²/s
Viscosity	: 60 - 100 s (ISO 6mm)
Solubility(ies)	

SECTION 9: Physical and chemical properties

Media		Result						
cold water		Not soluble						
Partition coefficient: n-octano water	ol/ :	Not applicable.						
Vapour pressure	:		Vapou	ur Press	sure at 20°C	Vapour pressure at 50°C		
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		Isopropyl alcohol	33.00268	4.4				
Evaporation rate	:	Isopropyl alcohol Highest known value butyl acetate			lcohol) Weigh	ted avera	age: 0.860	compared w
	:	Highest known value			Icohol) Weigh	ted avera	age: 0.860	compared w
Relative density	:	Highest known value butyl acetate	e: 1.7 (Isop	propyl a	, .			·
Relative density Vapour density	:	Highest known value butyl acetate 2.13	e: 1.7 (Isop e: 3.7 (Air not explos	propyl al = 1) (x sive, but	ylene). Weigh	ited avera	age: 3.41	(Air = 1)
Relative density Vapour density Explosive properties	:	Highest known value butyl acetate 2.13 Highest known value The product itself is	e: 1.7 (Isop e: 3.7 (Air not explos air is possi	propyl al = 1) (x sive, but ble.	ylene). Weigh the formation	ited avera	age: 3.41	(Air = 1)
Evaporation rate Relative density Vapour density Explosive properties Oxidising properties article characteristics	:	Highest known value butyl acetate 2.13 Highest known value The product itself is vapour or dust with a	e: 1.7 (Isop e: 3.7 (Air not explos air is possi	propyl al = 1) (x sive, but ble.	ylene). Weigh the formation	ited avera	age: 3.41	(Air = 1)

No additional information.

SECTION 10: Stability and reactivity

10.6 Hazardous decomposition products	: Evolves hydrogen on contact with water. Depending on conditions, decomposition products may include the following materials: carbon oxides metal oxide/oxides
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
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.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.2 Chemical stability	: The product is stable.
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
<u>Acute toxicity</u>

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SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
Zinc powder - zinc dust (stabilized)	LC50 Inhalation Dusts and	Rat	>5.4 mg/l	4 hours
	mists		-	
	LD50 Oral	Rat	>2000 mg/kg	-
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	-
zinc oxide	LC50 Inhalation Dusts and	Rat	>5700 mg/m ³	4 hours
	mists			
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 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	-
Isopropyl alcohol	LC50 Inhalation Vapour	Rat	72600 mg/m ³	4 hours
	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5045 mg/kg	-
Fatty acids, C18-unsatd., trimers, compds. with oleylamine	LD50 Oral	Rat	>1570 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	-
Conclusion/Summary						
Skin	: There are	no data available on the	mixture itsel	f.		
Eyes	: There are	no data available on the	mixture itsel	f.		
Respiratory	: There are	no data available on the	mixture itsel	f.		
Sensitisation						
Conclusion/Summary						
Skin	: There are	e no data available on the	mixture itse	elf.		
Respiratory	: There are	e no data available on the	mixture itse	elf.		
Mutagenicity						
Conclusion/Summary	: There are	e no data available on the	mixture itse	elf.		
Carcinogenicity						
Conclusion/Summary	: There are	e no data available on the	mixture itse	elf.		
Reproductive toxicity						
Conclusion/Summary	: There are no data available on the mixture itself.					
Teratogenicity						
Conclusion/Summary : There are no data available on the mixture itself.						
Specific target organ toxi	icity (single exp	<u>posure)</u>				
Dreduct/is	aredient name	Cate	aon	Route of	Terret	organe

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

Specific target organ toxicity (repeated exposure)

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Product/ingredient name	Category	Route of	Target organs				

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene Fatty acids, C18-unsatd., trimers, compds. with oleylamine	Category 2 Category 2	oral	hearing organs gastrointestinal tract, immune system, liver
Fatty acids, tall-oil, compds. with oleylamine	Category 2		gastrointestinal tract

Aspiration hazard

Product/	/ing	redient name	Result		
xylene ethylbenzene		ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1			
Information on likely routes of exposure	:	Not available.			
Potential acute health effect	<u>cts</u>				
Inhalation	:	No known significant effects or critic	cal hazards.		
Ingestion	:	No known significant effects or critic	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 pl	hysi	ical, chemical and toxicological cl	haracteristics		
Inhalation	1	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 eff	ects	s as well as chronic effects from s	<u>hort and long-term exposure</u>		
<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 eff	fect	<u>s</u>			
Not available.					
Conclusion/Summary	:	Not available.			
General	:		defat the skin and lead to irritation, cracking and/or ere allergic reaction may occur when subsequently		
Carcinogenicity	:	No known significant effects or criti	cal hazards.		
Mutagenicity	:	No known significant effects or criti	cal hazards.		
Reproductive toxicity	:	No known significant effects or criti	cal hazards.		
Other information	:	Not available.			
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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.

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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
Zinc powder - zinc dust (stabilized)	Acute EC50 0.106 mg/l	Algae -	72 hours
	Fresh water	Pseudokirchneriella subcapitata	
	Acute EC50 354 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Chronic EC10 6.3 µg/l	Daphnia - <i>Daphnia</i> <i>magna</i> - Neonate	21 days
	Chronic LC10 185 µg/l Fresh	Fish - Oncorhynchus	30 days
	water	<i>mykiss</i> - Juvenile	
		(Fledgling, Hatchling, Weanling)	
1-methoxy-2-propanol	Acute LC50 23300 mg/l	Daphnia	48 hours
	Acute LC50 >4500 mg/l	Fish	96 hours
	Fresh water		
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 Fresh water	Algae	72 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	
Isopropyl alcohol	Acute EC50 10100 mg/l Fresh water	Daphnia - <i>Daphnia</i> magna	48 hours

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

12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum	
ethylbenzene	-	79 % - Readily - 10 days		-	-	
Conclusion/Summary : There are no data available on the mixture itself.						
Product/ingredient name		Aquatic half-life	Photo	lysis	Biodegradability	
xylene ethylbenzene		-	-		Readily Readily	

12.3 Bioaccumulative potential

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SECTION 12: Ecological information

Product/ingredient name	LogPow	BCF	Potential
xylene	3.12	7.4 to 18.5	Low
1-methoxy-2-propanol ethylbenzene	3.6	- 79.43	Low Low
propan-2-ol	0.05	-	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.
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Hazardous waste

: Yes. European waste catalogue (EWC)

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

Packaging

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	European waste catalogue (EWC)		
Container	15 01 06 mixed packaging		
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the contained to 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, waterway drains and sewers.	er.	

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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	II	II	II
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(Zinc powder - zinc dust (stabilized))	Not applicable.

Additional information

ADR/RID : The enviror ≤5 kg.	nmentally hazardous substance mark is not required when transported in sizes of \leq 5 L or
Tunnel code : (D/E)	
IMDG : The marine	e pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
IATA : The enviror regulations	nmentally hazardous substance mark may appear if required by other transportation
14.6 Special precautions for user	: 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.
14.7 Transport in bulk according to IMO	: Not applicable.

instruments

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

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.

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SECTION 15: Regul	atory information		
15.2 Chemical safety assessment	: No Chemical Safety Ass	essment has been carried out.	
SECTION 16: Other	information		
Indicates information that	has changed from previously	r issued version.	
Abbreviations and acronyms	1272/2008] DNEL = Derived No Effe	belling and Packaging Regulation [Reg ect Level specific Hazard statement iffect Concentration	gulation (EC) No.
Full text of abbreviated H statements	 H225 Highly flamma H226 Flammable liq H302 Harmful if swa H304 May be fatal if H312 Harmful in cor H315 Causes skin in H317 May cause an H318 Causes seriou H319 Causes seriou H319 Causes seriou H32 Harmful if inha H335 May cause dra H336 May cause da H400 Very toxic to a H410 Very toxic to a H411 Toxic to aquat 	able liquid and vapour. uid and vapour. allowed. swallowed and enters airways. ntact with skin. rritation. allergic skin reaction. us eye damage. us eye irritation. aled. spiratory irritation. owsiness or dizziness. mage to organs through prolonged or	repeated exposure.
Full text of classifications [CLP/GHS]	: Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 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. 1A STOT RE 2	ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATH LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT ASPIRATION HAZARD - Category SERIOUS EYE DAMAGE/EYE IRF SERIOUS EYE DAMAGE/EYE IRF FLAMMABLE LIQUIDS - Category FLAMMABLE LIQUIDS - Category SKIN CORROSION/IRRITATION - SKIN SENSITISATION - Category SKIN SENSITISATION - Category SPECIFIC TARGET ORGAN TOX EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOX EXPOSURE - Category 3	TIC HAZARD - Category 1 TIC HAZARD - Category 2 TIC HAZARD - Category 2 TIC HAZARD - Category 3 TIC HAZARD - Category 1 RITATION - Category 1 RITATION - Category 2 2 3 - Category 2 1 1A TICITY - REPEATED
<u>History</u> Date of issue/ Date of	: 14 May 2024		
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Prepared by	: EHS		
Version	: 2.05		

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SECTION 16: Other information

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.