SAFETY DATA SHEET

Date of issue/Date of revision

: 19 February 2024 Version





: 2.01

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

1.1 Product identifier	
Product name	: SIGMACOVER 456 BASE ORANGE 3149
Product code	: 000001026244
Other means of identifica	tion
00140002; 00149935; 0019	00904; 00196050; 00286778
1.2 Relevant identified use	s of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.

1.3 Details of the supplier of the safety data sheet

Sigma Paints Egypt Villa#8, street 279 New Maadi, Cairo Egypt Tel: 00202 516 223 797	
Fax: 00202 516 223 797 Fax: 00202 516 38 04 e-mail address of person responsible for this SDS	: PS.ACEMEA@ppg.com
1.4 Emergency telephone	: +20 2 6840902

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

Skin Sens. 1, H317 Aquatic Chronic 3, H412

number

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

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

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

2.2 Label elements Hazard pictograms



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SECTION 2: Hazards identification

Signal word	: Warning
Hazard statements	 Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Avoid breathing vapour.
Response	: Take off contaminated clothing and wash it before reuse.
Storage	: Not applicable.
Disposal	 Dispose of contents and container in accordance with all local, regional, national and international regulations. P280, P210, P273, P261, P362 + P364, P501
Hazardous ingredients	: epoxy resin (MW ≤ 700) 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine
Supplemental label elements	: Contains epoxy constituents. May produce an allergic reaction.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	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
	<u> </u>	Englis	ו (GB)	Egypt	2/15

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SECTION 3: Composition/information on ingredients					
x ylene	EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤18	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
epoxy resin (MW ≤ 700)	REACH #: 01-2119456619-26 EC: 500-033-5 CAS: 25068-38-6	≥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]
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]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≤1.0	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]
1,3-bis[12-hydroxy- octadecamide-N- methylene]-benzene	REACH #: 01-2119962189-26 CAS: 911674-82-3 Index: 616-198-00-2	<1.0	Skin Sens. 1, H317 Aquatic Chronic 4, H413	-	[1] [2]
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	REACH #: 01-2119979085-27 EC: 309-629-8 CAS: 100545-48-0	≤0.30	Skin Sens. 1B, H317 Aquatic Chronic 3, H412	-	[1]
trizinc bis(orthophosphate)	REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6	≤0.30	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
			See Section 16 for the full text of the H statements declared above.		

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

<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.

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SECTION 4: First aid measures

4.1 Description of first aid n	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.

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.
<u>Over-exposure signs/sy</u>	<u>mptoms</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.
.3 Indication of any imm	ediate medical attention and special treatment needed
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

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 from the substance or mixture

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SECTION 5: Firefighting measures

Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds metal oxide/oxides
5.3 Advice for firefighters	
Special precautions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
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, pro	ptective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

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

Product/ingredient name	Exposure limit values				
x ylene	Law Number 4 of 1994, Er limits for air pollutants ins	•			
	[xylene (o-, m-, p-isomers)]	-		
	STEL: 651 mg/m ³ 15 minu	ites.			
	STEL: 150 ppm 15 minute	S.			
	TWA: 434 mg/m ³ 8 hours.				
	TWA: 100 ppm 8 hours.				
Talc , not containing asbestiform fibres	ACGIH TLV (United States	s, 1/2023).			
	TWA: 2 mg/m ³ 8 hours. Fo	orm: Respirable			
ethylbenzene	Law Number 4 of 1994, Er limits for air pollutants ins STEL: 543 mg/m ³ 15 minu	nvironmental Law, Annex side workplaces (Egypt, 8			
	English (GB)	Egypt	6/15		

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2-methylpropan-1-ol		STEL: 125 ppm 15 min TWA: 434 mg/m ³ 8 hou TWA: 100 ppm 8 hours Law Number 4 of 1994, limits for air pollutants TWA: 152 mg/m ³ 8 hou TWA: 50 ppm 8 hours.	rs. Environmental Law, inside workplaces (l	
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 s 9 (Workplace atmospheres chemical agents for compa ean Standard EN 14042 (V use of procedures for the a s) European Standard EN the performance of proce- nce to national guidance do bstances will also be require	s - Guidance for the as rison with limit values Vorkplace atmosphere ssessment of exposu 482 (Workplace atmo dures for the measure ocuments for methods	ssessment of exposure and measurement es - Guide for the re to chemical and ospheres - General ement of chemical
8.2 Exposure controls				
Appropriate engineering controls	other engineering recommended o	equate ventilation. Use pr g controls to keep worker or r statutory limits. The engi oncentrations below any lo ment.	exposure to airborne of ineering controls also	contaminants below any need to keep gas,
Individual protection measur	<u>'es</u>			
Hygiene measures	eating, smoking Appropriate tech Contaminated wo contaminated clo	rearms and face thoroughly and using the lavatory and iniques should be used to r ork clothing should not be othing before reusing. Ens se to the workstation location	at the end of the wor remove potentially cor allowed out of the wo sure that eyewash stat	king period. ntaminated clothing. rkplace. Wash
Eye/face protection Skin protection	: Chemical splash	i goggles.		
Hand protection	worn at all times necessary. Cons during use that th noted that the tin glove manufactu protection time o frequently repeat (breakthrough tin When only brief o (breakthrough tin The user must cl product is the mo	ant, impervious gloves com when handling chemical p sidering the parameters sp he gloves are still retaining ne to breakthrough for any irers. In the case of mixtur of the gloves cannot be acc ted contact may occur, a g me greater than 480 minute contact is expected, a glov me greater than 30 minutes heck that the final choice of ost appropriate and takes i e user's risk assessment.	products if a risk assess becified by the glove m their protective proper glove material may b res, consisting of seve curately estimated. W love with a protection es according to EN 37 we with a protection cla s according to EN 374 of type of glove selected	essment indicates this is nanufacturer, check erties. It should be e different for different eral substances, the then prolonged or class of 6 74) is recommended. ass of 2 or higher 4) is recommended. ed for handling this
Gloves	: butyl rubber			
Body protection	performed and the handling this pro- static protective of should include an	ive equipment for the body he risks involved and shou duct. When there is a risk clothing. For the greatest nti-static overalls, boots an information on material and	Id be approved by a s of ignition from static protection from static d gloves. Refer to Eu	pecialist before electricity, wear anti- discharges, clothing uropean Standard EN
Other skin protection	Appropriate foot based on the tas	wear and any additional sk sk being performed and the handling this product.	in protection measure	es should be selected
Respiratory protection	:			
		English (GB)	Egypt	7/15

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Environmental exposure	: Emissions from ventilatio	n or work process equipment should	be checked to ensure

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	÷	Orange.						
Odour	÷	Aromatic.						
Odour threshold	÷	Not available.						
Melting point/freezing point	:	May start to solidify a data for the following 3,6-diphenyl Weigh	ingredier	it: Pyrro	lo[3,4-c]pyrrole	e-1,4-dior		
Initial boiling point and boiling range	:	>37.78°C		-	. ,			
Flammability	:	Not available.						
Upper/lower flammability or explosive limits	:	Greatest known rang	e: Lower:	1.7% l	Jpper: 10.9% (2-methy	propan-1	-ol)
Flash point	:	Closed cup: 26°C						
Auto-ignition temperature	:	415°C (779°F)	415°C (779°F)					
Decomposition temperature	:	Stable under recomn	nended st	orage a	nd handling co	onditions	(see Sec	tion 7).
ЭΗ	:	Not applicable. insolu	Not applicable. insoluble in water.					
/iscosity	:	Kinematic (40°C): >2	21 mm²/s					
Viscosity	:	60 - 100 s (ISO 6mm	ı)					
Solubility(ies)	:							
Media		Result						
cold water		Not soluble						
Partition coefficient: n-octanol/ water	:	Not applicable.						
Vapour pressure	:	la una di anta anno a	Vapou	ır Press	sure at 20°C	Vapo	our press	sure at 50°C
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		2-methylpropan-1-ol	<12.00102	<1.6	DIN EN 13016-2			
Evaporation rate	:	Highest known value butyl acetate	: 0.84 (etł	nylbenze	ene) Weighted	l average	e: 0.77co	mpared with
Relative density	:	1.38						
Vapour density	:	Highest known value	: 3.7 (Air	= 1) (x	ylene). Weigh	ted avera	age: 3.65	(Air = 1)
Explosive properties	:	The product itself is r vapour or dust with a			the formation	of an exp	olosible m	nixture of
Oxidising properties	:	Product does not pre	sent an o	xidizing	hazard.			

Median particle size

9.2 Other information

No additional information.

: Not applicable.

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SECTION 10: Stability and reactivity

10.6 Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds 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

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
X lene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
epoxy resin (MW ≤ 700)	LD50 Dermal	Rabbit	>2 g/kg	-
	LD50 Oral	Rat	>2 g/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapour	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
Reaction products of	LC50 Inhalation Dusts and	Rat	>5.08 mg/l	4 hours
12-hydroxyoctadecanoic acid and	mists			
octadecanoic acid and				
1,3-phenylenedimethanamine				
Octadecanoic acid, 12-hydroxy-, reaction	LC50 Inhalation Dusts and	Rat	5.05 mg/l	4 hours
products with ethylenediamine	mists			
	LD50 Oral	Rat	>2000 mg/kg	-
trizinc bis(orthophosphate)	LC50 Inhalation Dusts and	Rat	>5.7 mg/l	4 hours
	mists			
	LD50 Oral	Rat	>5000 mg/kg	-

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredient name		Result	Species	Score	Exposure	Observation
xylene epoxy resin (MW ≤ 700)		Skin - Moderate irritant Eyes - Mild irritant Skin - Mild irritant	Rabbit Rabbit Rabbit	- - -	24 hours 500 mg - -	- - -
Conclusion/Summary		-			•	•
Skin : There are no data available on the mixture itself.						
Eyes : There are no data available on the mixture itself.						
Respiratory	ratory : There are no data available on the mixture itself.					

English (GB)

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SECTION 11: Toxicological information

Sensitisation

		Route of exposure	Species	Result
		skin skin	Mouse Guinea pig	Sensitising Sensitising
Conclusion/Summary		•	-	
Skin	: There are no data avai	lable on the mixtur	re itself.	
Respiratory	: There are no data avai	lable on the mixtur	re itself.	
Mutagenicity				
Conclusion/Summary	: There are no data avai	lable on the mixtur	re itself.	
Carcinogenicity				
Conclusion/Summary	: There are no data avai	lable on the mixtur	re itself.	
Reproductive toxicity				
Conclusion/Summary	: There are no data avai	lable on the mixtur	re itself.	
Teratogenicity				
Conclusion/Summary	: There are no data avai	lable on the mixtur	re itself.	
Specific target organ toxi	<u>city (single exposure)</u>			

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

Specific target organ toxicity (repeated exposure)

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

Aspiration hazard

Produ	ict/ingredient name	Result		
xylene ethylbenzene		ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1		
Information on likely routes of exposure	: Not available.			
Potential acute health ef	fects			
Inhalation	: No known significant effects or c	ritical hazards.		
Ingestion	: No known significant effects or c	ritical hazards.		
Skin contact	: Causes skin irritation. Defatting	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.		
Eye contact	: Causes serious eye irritation.	: Causes serious eye irritation.		
Symptoms related to the	physical, chemical and toxicological	characteristics		
Inhalation	: No specific data.			
Ingestion	: No specific data.			
Skin contact	: Adverse symptoms may include the irritation redness dryness cracking	the following:		

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Eye contact	: Adverse symptoms pain or irritation watering redness	may include the following:		
Delayed and immediate effe	<u>cts as well as chronic</u>	effects from short and long-term expose	<u>ure</u>	
Short term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.	Not available.		
Long term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.	Not available.		
Potential chronic health effe	ects			
Not available.				
Conclusion/Summary	: Not available.			
General		ed contact can defat the skin and lead to in nsitized, a severe allergic reaction may occ levels.		
Carcinogenicity	: No known significan	t effects or critical hazards.		
Mutagenicity	: No known significan	t effects or critical hazards.		
Reproductive toxicity	: No known significan	t 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
<mark>e</mark> poxy resin (MW ≤ 700)	Acute LC50 1.8 mg/l	Daphnia	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
Reaction products of 12-hydroxyoctadecanoic acid and octadecanoic acid and 1,3-phenylenedimethanamine	Acute LC50 >100 mg/l	Fish	96 hours
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	Acute EC50 >100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 >10 mg/l	Daphnia - <i>Daphnia</i> <i>magna</i>	48 hours
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	Acute LC50 >10 mg/l	Fish - Oncorhynchus mykiss	96 hours
trizinc bis(orthophosphate)	Acute LC50 0.112 mg/l	Fish	96 hours

Chronic NOEC 0.026 mg/l

Fish

30 days

Conclusion/Summary

: There are no data available on the mixture itself.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Poxy resin (MW ≤ 700) ethylbenzene Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	OECD 301F - 301D Ready Biodegradability - Closed Bottle Test	5 % - 28 days 79 % - Readily - 10 days 22 % - 28 days	-	

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

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

12.3 Bioaccumulative potential

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

12.4 Mobility in soil

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

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

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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	1	Yes.
European waste catalogue	(E	<u>WC)</u>

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

Packaging

Methods of disposal

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

Type of packaging	European waste catalogue (EWC)			
Container ć	15 01 06	mixed packaging		
Special precautions	taken when Empty conta residues ma Do not cut, v	al 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. ainers or liners may retain some product residues. Vapour from product ay create a highly flammable or explosive atmosphere inside the container. weld or grind used containers unless they have been cleaned thoroughly twoid dispersal of spilt material and runoff and contact with soil, waterways, sewers.		

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	111	III
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.
ΙΑΤΑ	: None identified.

Conforms to 2020/878	Regulation (EC) No	. 1907/2006 (REACH), Annex II, as amended by Commissio	on Regulation (EU)
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SECTION 14: Transport information

14.6 Special precautions for	:	Transport within user's premises: always transport in closed containers that are
user		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 : Not applicable. according to IMO instruments

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation Annex XIV None of the components are listed. Substances of very high concern None of the components are listed. Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Other national and international regulations. **Explosive precursors** : Not applicable. Ozone depleting substances (1005/2009/EU) Not listed. **15.2 Chemical safety** : No Chemical Safety Assessment has been carried out. assessment

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	CLP = C 1272/20 DNEL = EUH sta PNEC =	cute Toxicity Estimate Classification, Labelling and Packaging Regulation [Regulation (EC) No. 08] Derived No Effect Level Itement = CLP-specific Hazard statement Predicted No Effect Concentration REACH Registration Number
Full text of abbreviated H statements	: H225 H226 H304 H312 H315 H317 H318 H319 H332 H335 H336 H373 H400	 Highly flammable liquid and vapour. Flammable liquid and vapour. May be fatal if swallowed and enters airways. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life.

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	H410Very toxic to aquatic life withH411Toxic to aquatic life with lonH412Harmful to aquatic life with lH413May cause long lasting harm	g lasting effects. ong lasting effects.
Full text of classifications [CLP/GHS]	Aquatic Acute 1SHORT-TAquatic Chronic 1LONG-TEAquatic Chronic 2LONG-TEAquatic Chronic 3LONG-TEAquatic Chronic 4LONG-TEAquatic Chronic 4LONG-TEAquatic Chronic 4LONG-TEAsp. Tox. 1ASPIRATIEye Dam. 1SERIOUSEye Irrit. 2SERIOUSFlam. Liq. 2FLAMMAESkin Irrit. 2SKIN COFSkin Sens. 1SKIN SENStort RE 2SPECIFICEXPOSUFSTOT SE 3	OXICITY - Category 4 ERM (ACUTE) AQUATIC HAZARD - Category 1 RM (CHRONIC) AQUATIC HAZARD - Category 2 RM (CHRONIC) AQUATIC HAZARD - Category 2 RM (CHRONIC) AQUATIC HAZARD - Category 3 RM (CHRONIC) AQUATIC HAZARD - Category 4 ION HAZARD - Category 1 EYE DAMAGE/EYE IRRITATION - Category 1 EYE DAMAGE/EYE IRRITATION - Category 2 BLE LIQUIDS - Category 2 BLE LIQUIDS - Category 3 RROSION/IRRITATION - Category 2 ISITISATION - Category 1 ISITISATION - Category 1 ISITISATION - Category 1 EYE ARGET ORGAN TOXICITY - REPEATED RE - Category 2 CTARGET ORGAN TOXICITY - SINGLE RE - Category 3
<u>History</u>		
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Disclaimer		

<u>Disclaimer</u>

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