SAFETY DATA SHEET

Date of issue/Date of revision

: 9 October 2024

Version

: 1.06



pPG

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

1.1 Product identifier	
Product name	: SIGMACOVER 256/435/456/522 HARDENER
Product code	: 000001197842
Other means of identification	on
00140801; 00141100; 00172	626; 00190303; 00191381; 00202322; 00299656
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	: Hardener.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	the safety data sheet
PPG Protective and Marine C	Coatings Pty Ltd
7 Arnold Street,	
Alrode, Alberton, Gauteng South Africa	
Tel: 0027 11 389 4800	
e-mail address of person	: PS.ACEMEA@ppg.com
responsible for this SDS	
1.4 Emergency telephone	: +27 (0)861 555 777

number

SECTION 2: Hazards identification

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 Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 3, H412

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

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

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

2.2 Label elements Hazard pictograms :



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SECTION 2: Hazards identification

Signal word	: Danger
Hazard statements	 Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. 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.
Response	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	 Dispose of contents and container in accordance with all local, regional, national and international regulations. P280, P210, P305 + P351 + P338, P310, P403 + P233, P501
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 requiren	<u>nents</u>
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

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SECTION 3: Compo	osition/informa	tion on i	ngredients			
Product/ingredient name	Identifiers	%	Classification		fic Conc. s, M-factors TEs	Туре
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1	≥25 - ≤50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	-		[1] [2]

≥10 - ≤25

≥10 - <25

≥1.0 - ≤5.0

≤1.4

STOT SE 3, H336

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

Skin Irrit. 2, H315

Eye Dam. 1, H318

Flam. Liq. 2, H225

Acute Tox. 4, H332

STOT RE 2, H373

(hearing organs)

≥1.0 - ≤3.5 Acute Tox. 4, H302

above.

Asp. Tox. 1, H304 Aquatic Chronic 3, H412

Acute Tox. 4, H312

Skin Corr. 1C, H314

Eye Dam. 1, H318

Acute Tox. 4, H302

Acute Tox. 4, H312

Skin Corr. 1B, H314

Eve Dam. 1, H318

Skin Sens. 1, H317 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared

Skin Sens. 1A, H317

Aquatic Chronic 2, H411

ATE [Dermal] = 1700

(vapours)] = 11 mg/l

ATE [Inhalation

ATE [Inhalation

ka

kq

mg/kg

mg/kg

(vapours)] = 17.8 mg/l

ATE [Oral] = 1200 mg/

ATE [Dermal] = 1280

ATE [Oral] = 1716 mg/

ATE [Dermal] = 1465

mg/kg

[1] [2]

[1]

[1] [2]

[1]

[1] [2]

Index: 603-108-00-1

01-2119488216-32

EC: 215-535-7

CAS: 1330-20-7

CAS: 68410-23-1

01-2119489370-35

Index: 601-023-00-4

01-2119560597-27

EC: 202-013-9

CAS: 90-72-2

EC: 203-950-6

CAS: 112-24-3

Index: 612-059-00-5

EC: 202-849-4

CAS: 100-41-4

REACH #:

REACH #:

REACH #:

xylene

with

ethylbenzene

2,4,6-tris

phenol

Fatty acids, C18-unsatd.,

dimers, reaction products

polyethylenepolyamines

(dimethylaminomethyl)

3,6-diazaoctanethylenediamin

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.

[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 4: First aid measures

4.1 Description of first aid m	easures
Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	 Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	 Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effe	ects
Eye contact	: Causes serious eye damage.
Inhalation	 Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: Corrosive to the digestive tract. Causes burns. Can cause central nervous system (CNS) depression.
<u>Over-exposure signs/sym</u>	<u>ptoms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
4.3 Indication of any immed	diate 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.

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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	om the substance or mixture
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen 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

	······································
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. Do not breathe 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.

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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 breathe vapour or mist. Do not ingest. 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. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

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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

Product/ingredient name	Exposure limit values
✓methylpropan-1-ol	DOL OEL (South Africa, 3/2021) TWA 8 hours: 100 ppm.
xylene	DOL OEL (South Africa, 3/2021) [xylene, o-, m-, p- or mixed isomers] Absorbed through skin. TWA 8 hours: 200 ppm.
ethylbenzene	STEL 15 minutes: 300 ppm. DOL OEL (South Africa, 3/2021) CARC. Absorbed through skin. TWA 8 hours: 40 ppm.

Biological exposure indices

Product/ingredient name		Exposure indices
kylene		DOL BEI (South Africa, 3/2021) [xylenes] BEI: 1.5 g/g creatinine, methylhippuric acid [in urine]. Sampling time: end of shift.
ethylbenzene		DOL BEI (South Africa, 3/2021) BEI: 0.15 g/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.
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 O (Workplace atmospheres - Guidance for the assessment of exposure hemical agents for comparison with limit values and measurement can 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 ce to national guidance documents for methods for the determination ostances will also be required.
.2 Exposure controls		
Appropriate engineering controls	other engineering recommended of	equate ventilation. Use process enclosures, local exhaust ventilation or 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 ment.
ndividual protection measur	res	
Hygiene measures	eating, smoking a 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.
Eye/face protection Skin protection	: Chemical splash	goggles and face shield.
Hand protection		

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

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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	4	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.
Respiratory protection	:	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3
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

AppearancePhysical state: Liquid.Colour: Clear.Odour: Amine-like.Odour threshold: Not available.Melting point/freezing point: Not determined.Initial boiling point and boiling range: >37.78°CFlammability: Not determined. There are no data available on the mixture itself.Upper/lower flammability or explosive limits: Not available.Flash point: Closed cup: 25°CAuto-ignition temperature: 430°C (806°F)		
Colour: Clear.Odour: Amine-like.Odour threshold: Not available.Melting point/freezing point: Not determined.Initial boiling point and boiling range: >37.78°CFlammability: Not determined. There are no data available on the mixture itself.Upper/lower flammability or explosive limits: Not available.Flash point: Closed cup: 25°C		
Odour: Amine-like.Odour threshold: Not available.Melting point/freezing point: Not determined.Initial boiling point and boiling range: >37.78°CFlammability: Not determined. There are no data available on the mixture itself.Upper/lower flammability or explosive limits: Not available.Flash point: Closed cup: 25°C		
Odour threshold: Not available.Melting point/freezing point: Not determined.Initial boiling point and boiling range: >37.78°CFlammability: Not determined. There are no data available on the mixture itself.Upper/lower flammability or explosive limits: Not available.Flash point: Closed cup: 25°C		
Melting point/freezing point Initial boiling point and boiling range: Not determined.Flammability Upper/lower flammability or explosive limits: Not determined. There are no data available on the mixture itself.Flash point: Closed cup: 25°C		
Initial boiling point and boiling range: >37.78°CFlammability: Not determined. There are no data available on the mixture itself.Upper/lower flammability or explosive limits: Not available.Flash point: Closed cup: 25°C		
boiling rangeFlammability: Not determined. There are no data available on the mixture itself.Upper/lower flammability or explosive limits: Not available.Flash point: Closed cup: 25°C		
Upper/lower flammability or explosive limits: Not available.Flash point: Closed cup: 25°C		
explosive limits Flash point : Closed cup: 25°C	ta available or	on the mixture itself.
Auto ignition tomporature \cdot 420°C (806°E)		
Auto-ignition temperature1.450 C (800 P)Decomposition temperature: Stable under recommended storage and handling conditions (see Section 7pH: Not applicable. insoluble in water.	•	ndling conditions (see Section 7).

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SECTION 9: Physical and chemical properties

Viscosity	:	Kinematic (room ter	ynamic (room temperature): Not available. inematic (room temperature): >400 mm²/s inematic (40°C): >21 mm²/s					
Viscosity	:	60 - 100 s (ISO 6mr	n)					
Solubility(ies)	:	·						
Media		Result						
cold water		Not soluble						
Partition coefficient: n-octanol/ water	:	Not applicable.						
Vapour pressure	:		Vapour Pressure at 20°C			Vapour pressure at 50°C		
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		2-methylpropan-1-ol	<12.00102	<1.6	DIN EN 13016-2			
Relative density	:	0.95			·			
Explosive properties	:	The product itself is vapour or dust with a			t the formation	of an exp	olosible m	nixture of
Oxidising properties	:	Product does not pro	esent an o	xidizing	hazard.			
Particle characteristics								
Median particle size	1	Not applicable.						

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity : No specific test data related to reactivity available for this product or its ingredients. **10.1 Reactivity 10.2 Chemical stability** : The product is stable. **10.3 Possibility of** : Under normal conditions of storage and use, hazardous reactions will not occur. hazardous reactions **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. : Depending on conditions, decomposition products may include the following materials: **10.6 Hazardous** carbon oxides nitrogen oxides decomposition products

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
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	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 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	-
2,4,6-tris(dimethylaminomethyl)phenol	LD50 Dermal	Rat	1280 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-
3,6-diazaoctanethylenediamin	LD50 Dermal	Rabbit	1465 mg/kg	-
	LD50 Oral	Rat	1716 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

: There are no data available on the mixture itself.

Eyes Respiratory

There are no data available on the mixture itself.There are no data available on the mixture itself.

Sensitisation

Skin

Product/ingredient name	Route of exposure	Species	Result
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	skin	Mouse	Sensitising
3,6-diazaoctanethylenediamin	skin	Guinea pig	Sensitising

Conclusion/Summary	
Skin	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Mutagenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Carcinogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
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	<u>city (single exposure)</u>

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

Specific target organ toxicity (repeated exposure)

English (GB)

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SECTION 11: Toxicological information

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

Aspiration hazard

Product	/ingredient name	Result
xylene ethylbenzene		ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
nformation on likely outes of exposure	: Not available.	
Potential acute health effe	<u>cts</u>	
Inhalation	: Can cause central nervous sy dizziness. May cause respira	vstem (CNS) depression. May cause drowsiness or tory irritation.
Ingestion	: Corrosive to the digestive trac (CNS) depression.	ct. Causes burns. Can cause central nervous system
Skin contact	: Causes skin irritation. Defatti	ng to the skin. May cause an allergic skin reaction.
Eye contact	: Causes serious eye damage.	
Symptoms related to the p	hysical, chemical and toxicologi	cal characteristics
Inhalation	: Adverse symptoms may inclu respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness	de the following:
Ingestion	: Adverse symptoms may inclu stomach pains	de the following:
Skin contact	: Adverse symptoms may inclu pain or irritation redness dryness cracking blistering may occur	de the following:
Eye contact	: Adverse symptoms may inclu pain watering redness	de the following:
Delayed and immediate eff	ects as well as chronic effects fr	rom short and long-term exposure
Short term exposure		
Potential immediate effects	: Not available.	
Potential delayed effects	s : Not available.	
Long term exposure		
Potential immediate effects	: Not available.	
Potential delayed effects	s : Not available.	
Potential chronic health ef	fects	
Not available.		

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SECTION 11: Toxicological information

General	 Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.
Other information	: Not available.

Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation. 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
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	EC50 4.11 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 water	Daphnia - Ceriodaphnia dubia	-
2,4,6-tris(dimethylaminomethyl)phenol	Acute LC50 >100 mg/l Acute LC50 >100 mg/l	Daphnia Fish	48 hours 96 hours

Conclusion/Summary

: There are no data available on the mixture itself.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines ethylbenzene 2,4,6-tris (dimethylaminomethyl)phenol		15 % - 28 days 79 % - Readily - 10 days 4 % - Not readily - 28 days	-	-

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene Fatty acids, C18-unsatd., dimers, reaction products	-	-	Readily Not readily
with polyethylenepolyamines ethylbenzene 2,4,6-tris(dimethylaminomethyl)phenol	- -	-	Readily Not readily

12.3 Bioaccumulative potential

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SECTION 12: Ecological information

LogPow	BCF	Potential
1	- 7 4 to 19 5	Low Low
3.6	79.43	Low
0.219	-	Low Low
	1 3.12 3.6	1 - 3.12 7.4 to 18.5 3.6 79.43 0.219 -

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	: 🔀es.
European success a state of the second	

European waste catalogue (EWC)

Waste code		Waste designation	
08 01 11*	waste paint and v	waste paint and varnish containing organic solvents or other hazardous substances	
Packaging			
Methods of disposal		on of waste should be avoided or minimised wherever possible. Waste would be recycled. Incineration or landfill should only be considered when ot feasible.	
Type of packaging		European waste catalogue (EWC)	
Container	15 01 06	mixed packaging	

Conforms to Regulation ((EC) No. 1907/2006	(REACH), Annex II, as	amended by Commis	ssion Regulation (EU)
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SECTION 13: Disposal considerations

Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways,
	Internally. Avoid dispersal of split material and runoff and contact with soil, waterways, drains and 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 RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	Ш	111	Ш
14.5 Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

ADR/RID	This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.
Tunnel code	: (D/E)
IMDG IATA	 This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5. None identified.

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.

Aquatic Chronic 3 LONG-TERM (CHRONIC) Asp. Tox. 1 ASPIRATION HAZARD - (Eye Dam. 1 SERIOUS EYE DAMAGE/ Eye Irrit. 2 SERIOUS EYE DAMAGE/	sion : 9 October 2024
Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	
on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Other national and international regulations. Explosive precursors : Not applicable. Ozone depleting substances (1005/2009/EU) Not listed. 15.2 Chemical safety assessment : No Chemical Safety Assessment has been carried out assessment SECTION 16: Other information Indicates information that has changed from previously issued version. Abbreviations and acronyms : ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regula 1272/2008] DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Level EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Level Hastements Full text of abbreviated H statements : H225 Highly flammable liquid and vapour. H302 H314 Causes serious eve tim burns and eye damage. H315 Causes serious eve damage. H316 H317 May cause en allergic skin reaction. H318 Causes serious eve damage. H319 H319 Causes serious eve damage. H319 Causes serious eve damage. H319 Full text of classifications (CLP/GHS) : Acute Tox. 4 ACUTE TOXICITY - Cate Aquatic Chronic 2 Full text of classifications (CLP/GHS) : Acute Tox. 4 ACUTE TOXICITY - Cate Aquatic Chronic 3 LONG-TERM (CHRONIC) Aquatic Chronic 3 LONG-TERM (CHRONIC) A	
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