SAFETY DATA SHEET

Date of issue/Date of revision

: 8 March 2024

Version

: 1.03

Suriname

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 00140801; 00141100; 00172626; 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/ : Coating. mixture Uses advised against : Product is not intended, labelled or packaged for consumer use. 1.3 Details of the supplier of the safety data sheet Varossieau Suriname NV, Mastanaweg 4, Paramaribo, SURINAME Tel: 00597 484447 Fax: 00597 483785

e-mail address of person : Product.Stewardship.EMEA@ppg.com responsible for this SDS

1.4 Emergency telephone : 0031 (0)20 4075210 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. 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

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SECTION 2: Hazards	identification
Hazard pictograms	
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, 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
Hazardous ingredients	: 2-methylpropan-1-ol Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines 3,6-diazaoctanethylenediamin
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 contain any substances that are assessed to be a PBT or a vPv \ensuremath{vPv}
Other hazards which do not result in classification	: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
₽-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥25 - ≤50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤25	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]
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines	CAS: 68410-23-1	≥10 - <25	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 2, H411	-	[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]
2,4,6-tris (dimethylaminomethyl) phenol	REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2 Index: 603-069-00-0	≥1.0 - ≤3.5	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1C, H314 Eye Dam. 1, H318	ATE [Oral] = 1200 mg/ kg ATE [Dermal] = 1280 mg/kg	[1]
3,6-diazaoctanethylenediamin	EC: 203-950-6 CAS: 112-24-3 Index: 612-059-00-5	≤1.4	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 1716 mg/ kg ATE [Dermal] = 1465 mg/kg	[1] [2]

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	neasures
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	liate 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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 SECTION 5: Firefighting measures

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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 fi	rom 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

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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. 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

Exposure limit values
ACGIH TLV (United States, 1/2023).
TWA: 152 mg/m ³ 8 hours.
TWA: 50 ppm 8 hours.
EU OEL (Europe, 1/2022). [xylene, mixed isomers pure]
Absorbed through skin.
STEL: 442 mg/m ³ 15 minutes.
STEL: 100 ppm 15 minutes.
TWA: 221 mg/m³ 8 hours.
TWA: 50 ppm 8 hours.
EU OEL (Europe, 1/2022). Absorbed through skin.
STEL: 884 mg/m ³ 15 minutes.
STEL: 200 ppm 15 minutes.
TWA: 442 mg/m³ 8 hours.
TWA: 100 ppm 8 hours.
IPEL (-). Absorbed through skin.
TWA: 1 ppm

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
2-methylpropan-1-ol	DNEL	Long term Inhalation	55 mg/m³	General population	Local
	DNEL	Long term Inhalation	310 mg/m ³	Workers	Local
xylene	DNEL	Long term Oral	12.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	65.3 mg/m³	General population	Local
	DNEL	Long term Inhalation	65.3 mg/m³	General population	Systemic
	DNEL	Long term Dermal	125 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	212 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	221 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	221 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	260 mg/m ³	General population	Local
	DNEL	Short term Inhalation	260 mg/m³	General population	Systemic
	DNEL	Short term Inhalation	442 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	442 mg/m ³	Workers	Systemic
Fatty acids, C18-unsatd., dimers, reaction products with	DNEL	Long term Oral	0.56 mg/kg bw/day	General population	Systemic
	1	English (GB)	Surinam	9	7/17

DNELLong term Dermal0.56 mg/kg bw/dayGeneral populationSystemicethylbenzeneDNELLong term Inhalation0.97 mg/m³General populationSystemicDNELDNELLong term Dermal DMEL1.1 mg/kg bw/dayWorkersSystemicDNELDNELLong term Inhalation DMEL1.1 mg/kg bw/dayWorkersSystemicDNELLong term Inhalation DMELShort term Inhalation DNEL1.6 mg/kg bw/dayGeneral populationSystemicDNELLong term Inhalation DNELDNELLong term Inhalation DNEL15 mg/m³WorkersSystemic2,4,6-tris(dimethylaminomethyl)phenolDNELLong term Dermal DNELTr mg/m³WorkersSystemic UorkersSystemic2,4,6-tris(dimethylaminomethyl)phenolDNELLong term Dermal DNEL10.075 mg/kg bw/dayGeneral General populationSystemic UorkersSystemic Uorkers2,4,6-tris(dimethylaminomethyl)phenolDNELShort term Dermal DNEL0.075 mg/kg bw/ dayGeneral General populationSystemic UoralDNELLong term Dermal DNEL0.075 mg/kg bw/ dayGeneral General populationSystemic UoralDNELLong term Inhalation DNEL0.13 mg/m³General populationSystemic SystemicDNELLong term Inhalation0.13 mg/m³General populationSystemic SystemicDNELLong term Inhalation0.13 mg/m³General populationSystemic SystemicDN	polyethylenepolyamines					
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DNEL Short term Dermal 0.6 mg/kg bw/day Workers Systemic						
DNEL Short term Inhalation 2.1 mg/m ³ Workers Systemic						

PNECs

Product/ingredient name	Туре	Compartment Detail	Value	Method Detail
2-methylpropan-1-ol	-	Fresh water	0.4 mg/l	Assessment Factors
	-	Marine water	0.04 mg/l	Assessment Factors
	-	Sewage Treatment Plant	10 mg/l	Assessment Factors
	-	Fresh water sediment	1.56 mg/kg dwt	Equilibrium Partitioning
	-	Marine water sediment	0.156 mg/kg dwt	-
	-	Soil	0.076 mg/kg dwt	Equilibrium Partitioning
xylene	-	Fresh water	0.327 mg/l	-
	-	Marine water	0.327 mg/l	-
	-	Sewage Treatment Plant	6.58 mg/l	-
	-	Fresh water sediment	12.46 mg/kg dwt	-
	-	Marine water sediment	12.46 mg/kg dwt	-
	-	Soil	2.31 mg/kg	-
ethylbenzene	-	Fresh water	0.1 mg/l	Assessment Factors
	-	Marine water	0.01 mg/l	Assessment Factors
	-	Sewage Treatment Plant	9.6 mg/l	Assessment Factors
	-	Fresh water sediment	13.7 mg/kg dwt	Equilibrium Partitioning
	-	Marine water sediment	1.37 mg/kg dwt	Equilibrium Partitioning
	-	Soil	2.68 mg/kg dwt	Equilibrium Partitioning
	-	Secondary Poisoning	20 mg/kg	-

8.2 Exposure controls

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

English (GB)

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Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Chemical splash goggles and face shield.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this i 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 differen 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 beir 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 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 worker 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

<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Clear.
Odour	: Amine-like.
Odour threshold	: Not available.
Melting point/freezing point	 May start to solidify at the following temperature: 12°C (53.6°F) This is based on data for the following ingredient: 3,6-diazaoctanethylenediamin. Weighted average: -84.56°C (-120.2°F)

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SECTION 9: Physical a	nd	chemical prop	erties					
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-methyl	propan-1	-ol)
Flash point	:	Closed cup: 25°C						
Auto-ignition temperature	:	430°C (806°F)						
Decomposition temperature		· ,	Stable under recommended storage and handling conditions (see Section 7).					
рН	:	Not applicable.	Not applicable.					
Viscosity	:	Kinematic (room tem Kinematic (40°C): >2		: >400 r	nm²/s			
Viscosity	:	60 - 100 s (ISO 6mm)						
Solubility(ies)	1							
Media		Result						
cold water		Not soluble						
Partition coefficient: n-octano water	I/ :	Not applicable.						
Vapour pressure	:		Vapoι	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	:: 0.71cor	npared with
Relative density	:	0.95						
Vapour density		Highest known value average: 3.17 (Air =	1)			-		-
Explosive properties	1	The product itself is r vapour or dust with a	•		the formation	of an exp	losible m	ixture of
Oxidising properties	:	Product does not pre	sent an o	xidizing	hazard.			
Particle characteristics								
Median particle size	1.1	Not applicable.						

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity				
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.			
10.2 Chemical stability	: The product is stable.			
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.			
10.4 Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.			

Conforms to 2020/878	Regulation (EC) N	o. 1907/2006 (REA	CH), Annex II, as amended by Commission	n Regulation (EU)
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SECTION	10: Stability	and reactivity	у	
10.5 Incompa	tible materials		he following materials to prevent strong exot strong alkalis, strong acids.	hermic reactions:

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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	Rabbit	1.28 g/kg	-
	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 2,4,6-tris(dimethylaminomethyl)phenol		Rabbit Rabbit	-	24 hours 500 mg 4 hours	- 7 days

Conclusion/Summary

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

Skin Eyes

: There are no data available on the mixture itself.

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

Sensitisation

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

	English (GB)	Suriname	11/17
Conclusion/Summary	: There are no data available on the mixture itself.		
Teratogenicity			
Conclusion/Summary	: There are no data available on the mixture itself.		
Reproductive toxicity			
Conclusion/Summary	: There are no data available on the mixture itself.		
Carcinogenicity			
Conclusion/Summary	: There are no data available on the mixture itself.		
Mutagenicity			
Respiratory	: There are no data available on the mixture itself.		
Skin	: There are no data available on the mixture itself.		
Conclusion/Summary			

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SECTION 11: Toxicological information

Specific target organ to:	<u>xicity (single exposure)</u>				
Product/	Category		Route of exposure	Target organs	
2-methylpropan-1-ol	Category 3		,	Respiratory tract irritation	
xylene	Category 3 Category 3			Narcotic effects Respiratory tract irritation	
•	xicity (repeated exposure)	Outoge	JIYO		
		Cata		Route of	Terreterano
Product/ingredient name		Categ	Jory	exposure	Target organs
ethylbenzene				hearing organs	
Aspiration hazard					
Produ	uct/ingredient name				Result
xylene ethylbenzene				ATION HAZARD ATION HAZARD	0,
Information on likely routes of exposure	: Not available.				
Potential acute health ef	ffects				
Inhalation	: Can cause central nervou dizziness. May cause res			depression. May	cause drowsiness or
Ingestion	 Corrosive to the digestive tract. Causes burns. Can cause central nervous system (CNS) depression. 				
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.				
Eye contact	: Causes serious eye damage.				
Symptoms related to the	e physical, chemical and toxico	ological ch	aracte	<u>ristics</u>	
Inhalation	: Adverse symptoms may respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue	include the	followi	ng:	

	dizziness/vertigo unconsciousness
Ingestion	: Adverse symptoms may include the following: stomach pains
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Eye contact	: Adverse symptoms may include the following: pain watering

redness Delayed and immediate effects as well as chronic effects from short and long-term exposure Short term exposure

Potential immediate : Not available. effects

Potential delayed effects : Not available.

Long term exposure

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Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	ects
Not available.	
Conclusion/Summary	: Not available.
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 175 mg/l	Fish	96 hours

12.2 Persistence and degradability

Result	Dose	Inoculum
15 % - 28 days	-	-
		15 % - 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 with polyethylenepolyamines ethylbenzene	-	-	Readily Not readily Readily

English	(GB)
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SECTION 12: Ecological information

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-methylpropan-1-ol	1	-	Low
xylene	3.12	7.4 to 18.5	Low
ethylbenzene	3.6	79.43	Low
2,4,6-tris(dimethylaminomethyl)phenol	0.219	-	Low
3,6-diazaoctanethylenediamin	-1.66 to -1.4	-	Low

12.4 Mobility in soil

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

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

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

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

European waste catalogue (EWC)

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
ackaging	
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	teasible.
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Type of packaging	European waste catalogue (EWC)	
Container	15 01 06	mixed packaging

English	(GB)
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Conforms to Regulation	(EC) No. 1907/2006	(REACH), Annex II, as	amended by Comm	ission 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, drains and sewers.
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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 RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	Ш	Ш	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	: This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.
ΙΑΤΑ	: 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 applica	ble.
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.

2020/878	EG/ 10. 190//2000 (REACT	I), Annex II, as amended by Commissio	
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SECTION 15: Reg	ulatory information		
Annex XVII - Restrictio	ns : Not applicable.		
on the manufacture,			
placing on the market and use of certain			
dangerous substances			
mixtures and articles	,		
Other national and inter	mational regulations.		
Explosive precursors	: Not applicable.		
Ozone depleting substa	<u>ances (1005/2009/EU)</u>		
Not listed.			
Seveso Directive			
	d under the Seveso Directive		
Danger criteria			
Category			
P5c			
15.2 Chemical safety assessment	: No Chemical Safety	Assessment has been carried out.	
SECTION 16: Othe	er information		
Indicates information the second s	nat has changed from previo	usly issued version.	
Abbreviations and	: ATE = Acute Toxicit	y Estimate	
acronyms	CLP = Classification 1272/20081	, Labelling and Packaging Regulation [Re	gulation (EC) No.

1272/2008] DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classi	fication		Justification
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			On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method
Full text of abbreviated H statements	: H225 H226 H302 H304 H312 H314 H315 H317 H318 H319 H332 H335 H336 H373 H411	Harmful in contact Causes severe ski Causes skin irritati May cause an aller Causes serious ey Causes serious ey Harmful if inhaled. May cause respira May cause drowsin May cause damag	and vapour. ed. Illowed and enters airways. with skin. in burns and eye damage. ion. rgic skin reaction. /e damage. /e irritation.

English (GB) Suriname 16/17

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SECTION 16: Other	information		
	H412 Harmful to a	quatic life with long lasting effects.	
Full text of classifications [CLP/GHS]	: Acute Tox. 4 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Skin Corr. 1B Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1A STOT RE 2	ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUATI LONG-TERM (CHRONIC) AQUATI ASPIRATION HAZARD - Category SERIOUS EYE DAMAGE/EYE IRR SERIOUS EYE DAMAGE/EYE IRR FLAMMABLE LIQUIDS - Category SKIN CORROSION/IRRITATION - SKIN CORROSION/IRRITATION - SKIN CORROSION/IRRITATION - SKIN SENSITISATION - Category SKIN SENSITISATION - Category SKIN SENSITISATION - Category SPECIFIC TARGET ORGAN TOXI EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXI EXPOSURE - Category 3	C HAZARD - Category 3 1 ITATION - Category 1 ITATION - Category 2 2 3 Category 1B Category 1C Category 2 1 1A CITY - REPEATED
<u>History</u>			
Date of issue/ Date of revision	: 8 March 2024		
Date of previous issue	: 16 January 2024		
Prepared by	: EHS		
Version	: 1.03		

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