## SAFETY DATA SHEET

Date of issue/Date of revision

: 9 October 2024

: 1.07 Version

France

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

**1.1 Product identifier** 

**Product name** 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	<ul> <li>Professional applications, Used by spraying.</li> </ul>
Use of the substance/ mixture	: Coating.; 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 Coatings Belgium BV/SRL Tweemontstraat 104 B-2100 Deurne Belgium Telephone +32-33606311 Fax +32-33606435

e-mail address of person responsible for this SDS

: Product.Stewardship.EMEA@ppg.com

#### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

Numéro de téléphone d'appel d'urgence : 01 45 42 59 59 (Association ORFILA, organisme agréé prévu au 4ème alinéa de l'article L231-7 du code du travail)

#### **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.

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#### **SECTION 2: Hazards identification**

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

#### 2.2 Label elements Hazard pictograms

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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.	t
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact le present and easy to do. Continue rinsing. Immediately call a POISON CENTER doctor.	
Storage	Store in a well-ventilated place. Keep container tightly closed.	
Disposal	Dispose of contents and container in accordance with all local, regional, nationa international regulations. P280, P210, P305 + P351 + P338, P310, P403 + P233, P501	l and
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>s</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 c rritation.	ause

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

3.2 Mixtures : Mixture					
Product/ingredient name	Identifiers	% by weight	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
2-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	≥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]

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 3: Composition/information on ingredients** 

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

4.1 Description of first aid measures				
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	<ul> <li>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.</li> </ul>			
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	n effects
Eye contact	: Causes serious eye damage.
Inhalation	<ul> <li>Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.</li> </ul>
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.
Over-exposure signs	/symptoms
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 immediate medical attention and special treatment needed

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SECTION 4: First a	id measures
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

SECTION 5. Thenghung measures				
5.1 Extinguishing media				
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.			
Unsuitable extinguishing media	: Do not use water jet.			
5.2 Special hazards arising f	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, pro	tective equipment and emergency procedures		
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. 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

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SECTION 6: Accid	lental release n	neasures	
Small spill	explosion-pro or if water-ins	ithout risk. Move containers from spill are of equipment. Dilute with water and mop oluble, absorb with an inert dry material ar ainer. Dispose of via a licensed waste dis	up if water-soluble. Alternatively, nd place in an appropriate waste
<ul> <li>Large spill</li> <li>Stop leak if without risk. Move containers from spill are explosion-proof equipment. Approach the release from sewers, water courses, basements or confined areas. treatment plant or proceed as follows. Contain and col combustible, absorbent material e.g. sand, earth, verm place in container for disposal according to local regular waste disposal contractor. Contaminated absorbent m hazard as the spilt product.</li> </ul>		upwind. Prevent entry into Wash spillages into an effluent ect spillage with non- culite or diatomaceous earth and tions. Dispose of via a licensed	
6.4 Reference to other sections	See Section 8	I for emergency contact information. 3 for information on appropriate personal p I3 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			
	Ministry of Labor (France, 9/2023)			
	TWA 8 hours: 50 ppm.			
	TWA 8 hours: 150 mg/m <sup>3</sup> .			
xylene	Ministry of Labor (France, 9/2023) [xylènes, isomères mixtes,			
	purs] Absorbed through skin.			
	STEL 15 minutes: 442 mg/m <sup>3</sup> .			
	STEL 15 minutes: 100 ppm.			
	TWA 8 hours: 221 mg/m <sup>3</sup> .			
	TWA 8 hours: 50 ppm.			
ethylbenzene	Ministry of Labor (France, 9/2023) Absorbed through skin.			
	TWA 8 hours: 20 ppm.			
	TWA 8 hours: 88.4 mg/m <sup>3</sup> .			
	STEL 15 minutes: 442 mg/m <sup>3</sup> .			
	STEL 15 minutes: 100 ppm.			

**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 <sup>3</sup>	Workers	Local			
xylene	DNEL	Long term Oral	5 mg/kg bw/day	General population	Systemic			
	DNEL	Long term Inhalation	65.3 mg/m <sup>3</sup>	General population	Local			
	DNEL	Long term Inhalation	65.3 mg/m <sup>3</sup>	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 <sup>3</sup>	Workers	Local			
	DNEL	Long term Inhalation	221 mg/m <sup>3</sup>	Workers	Systemic			
	DNEL	Short term Inhalation	260 mg/m <sup>3</sup>	General population	Local			
	DNEL	Short term Inhalation	260 mg/m <sup>3</sup>	General population	Systemic			
	DNEL	Short term Inhalation	442 mg/m <sup>3</sup>	Workers	Local			
DN		Short term Inhalation	442 mg/m³	Workers	Systemic			
Fatty acids, C18-unsatd.,	DNEL	Long term Oral	0.56 mg/kg bw/day	General population	Systemic			
dimers, reaction products		_			-			
with polyethylenepolyamines								
	DNEL	Long term Dermal	0.56 mg/kg bw/day	General population	Systemic			
	DNEL	Long term Inhalation	0.97 mg/m <sup>3</sup>	General population	Systemic			
	DNEL	Long term Dermal	1.1 mg/kg bw/day	Workers	Systemic			
	DNEL	Long term Inhalation	3.9 mg/m <sup>3</sup>	Workers	Systemic			
ethylbenzene	DMEL	Long term Inhalation	442 mg/m <sup>3</sup>	Workers	Local			
	DMEL	Short term Inhalation	884 mg/m <sup>3</sup>	Workers	Systemic			
	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	Systemic			
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#### **SECTION 8: Exposure controls/personal protection**

	DNEL	Long term Inhalation	15 mg/m³	General population	Systemic
	DNEL	Long term Inhalation	77 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	293 mg/m <sup>3</sup>	Workers	Local
2,4,6-tris	DNEL	Long term Oral	0.075 mg/kg bw/day	General population	Systemic
(dimethylaminomethyl)phenol		-			-
	DNEL	Short term Dermal	0.075 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.075 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	0.13 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	0.13 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	0.15 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.53 mg/m³	Workers	Systemic
	DNEL	Short term Dermal	0.6 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	2.1 mg/m <sup>3</sup>	Workers	Systemic
3,6-diazaoctanethylenediamin	DNEL	Long term Dermal	28 µg/cm²	Workers	Local
	DNEL	Long term Dermal	0.25 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.29 mg/m³	General population	Systemic
	DNEL	Long term Oral	0.41 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.43 mg/cm <sup>2</sup>	General population	Local
	DNEL	Long term Dermal	0.57 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	1 mg/cm <sup>2</sup>	General population	Local
	DNEL	Long term Inhalation	1 mg/m³	Workers	Systemic
	DNEL	Short term Dermal	8 mg/kg bw/day	General population	
	DNEL	Short term Oral	20 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	1600 mg/m³	General population	Systemic
	DNEL	Short term Inhalation	5380 mg/m³	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.

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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)	
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#### **SECTION 8: Exposure controls/personal protection**

Individual protection measu	<u>ires</u>
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. Use eye protection according to EN 166.
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 is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Gloves	: butyl rubber
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti- static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
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 Appearance Physical state : Liquid. Colour : Clear. Odour : Amine-like. English (GB) France 9/19

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 SECTION 9: Physical and chemical properties

Melting point/freezing point	: Not determined.
Boiling point or initial boiling point and boiling range	: >37.78°C
Flammability Lower and upper explosion limit	<ul> <li>Not determined. There are no data available on the mixture itself.</li> <li>Not available.</li> </ul>
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. insoluble in water.
Viscosity	<ul> <li>Øynamic (room temperature): Not available.</li> <li>Kinematic (room temperature): &gt;400 mm²/s</li> <li>Kinematic (40°C): &gt;21 mm²/s</li> </ul>
Viscosity	: 60 - 100 s (ISO 6mm)
Solubility	:
Media	Result

Media	Result
cold water	Not soluble
artition coefficient n extend/ N	at applicable

## **Partition coefficient n-octanol**/ : Not applicable. water (log Pow)

water	(iug	 ,
Vanou	r pro	 <b>r</b> 0

Median particle size

	:	Vapour Pressure at 20°C					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			
Relative density <u>Particle characteristics</u>	: 0.95				-		

## 9.2 Other information9.2.1 Information with regard to physical hazard classes

Explosive properties

The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.
Product does not present an oxidizing hazard.

**Oxidising properties** No additional information.

tion.

: Not applicable.

### **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.

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SECTIC	ON 10: Stability and reactiv	/ity	

- Keep away from the following materials to prevent strong exothermic reactions: **10.5 Incompatible materials** 2 oxidising agents, strong alkalis, strong acids.
- **10.6 Hazardous** decomposition products

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

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

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly.

Zauses serious eye damage.

Causes skin irritation.

May cause an allergic skin reaction.

May cause respiratory irritation.

May cause drowsiness or dizziness.

#### **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	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	-

#### Acute toxicity estimates

	Route	ATE value
Øral		37508.2 mg/kg
Dermal		6197.43 mg/kg
Inhalation (vapours)		43.22 mg/l
Conclusion/Summary	: Based on available data, the classification criteria are not met.	

#### **Conclusion/Summary Irritation/Corrosion**

**Product/ingredient name** Result **Species Score Exposure Observation** xylene Skin - Moderate irritant Rabbit 24 hours 500 mg

**Conclusion/Summary** 

: Causes skin irritation.

- Skin Eyes
- : Zauses serious eye damage.

Respiratory

: Based on available data, the classification criteria are not met.

#### **Respiratory or skin sensitization**

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

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

#### **Conclusion/Summary**

Skin

Respiratory

: May cause an allergic skin reaction.

: Based on available data, the classification criteria are not met.

#### **Mutagenicity**

Based on available data, the classification criteria are not met.

#### **Carcinogenicity**

Based on available data, the classification criteria are not met.

#### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (single exposure)

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

#### **Conclusion/Summary**

May cause respiratory irritation.

May cause drowsiness or dizziness.

#### Specific target organ toxicity (repeated exposure)

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

#### **Conclusion/Summary**

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/ingredient name	Result	
xylene	ASPIRATION HAZARD - Category 1	
ethylbenzene	ASPIRATION HAZARD - Category 1	

#### **Conclusion/Summary**

Based on available data, the classification criteria are not met.

Information on likely : Not available.

routes of exposure

#### Potential acute health effects

Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
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 toxicological characteristics

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SECTION 11: Toxicol	ogical information
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue 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 effe	ts as well as chronic effects from short and long-term exposure
<u>Short term exposure</u>	
Potential immediate effects	: No known significant effects or critical hazards.
Potential delayed effects Long term exposure	: No known significant effects or critical hazards.
Potential immediate effects	: No known significant effects or critical hazards.
Potential delayed effects	: No known significant effects or critical hazards.
Potential chronic health effe	<u>cts</u>
General	: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/c 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	: 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. Avo contact with skin and clothing.

#### 11.2.1 Endocrine disrupting properties

Based on available data, the classification criteria are not met.

**11.2.2 Other information** 

Not available.

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#### **SECTION 12: Ecological information**

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

#### 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** : Marmful to aquatic life with long lasting effects.

#### 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	- OECD 301D Ready Biodegradability - Closed Bottle Test	15 % - 28 days 79 % - Readily - 10 day 4 % - Not readily - 28 da		-		-
Product/ingredient name		Aquatic half-life	Photo	olysis	Bio	degradability
xylene Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines ethylbenzene 2,4,6-tris(dimethylaminomethyl)phenol		- - - -	- - -		Not Rea	adily t readily adily t readily

#### 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.

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#### **SECTION 12: Ecological information**

#### 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

Based on available data, the classification criteria are not met.

#### 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**

<u>Product</u>	
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

European waste catalog	<u>jue (EWC)</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	15 01 06 mixed packaging			
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the 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.			

## **SECTION 14: Transport information**

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**SECTION 14: Transport information** 

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	III	=	III	III
14.5 Environmental hazards	No.	Yes.	No.	No.
Marine pollutant substances	Not applicable.	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)
ADN	: The product is only regulated as an environmentally hazardous substance when transported in tank vessels. This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.
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 prec user	autions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

#### **14.7 Maritime transport in** : Not applicable.

bulk according to IMO instruments

#### **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient name	Entry Number ( REACH )
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Labelling

: Not applicable.

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SECTION 15: Regula	tory information	on	
Explosive precursors Ozone depleting substand Not listed.	: Not applicable. ces (1005/2009/EU)		
Seveso Directive This product is controlled ur Danger criteria	nder the Seveso Direc	tive.	
Category P5c			
National regulations			
Social Security Code, Articles L 461-1 to L 461-7	: <b>2-</b> methylpropan-1 xylene ethylbenzene	-ol	RG 84 RG 4bis, RG 84 RG 84
Reinforced medical surveillance	: Act of July 11, 19 surveillance: not a	77 determining the list of activities whi applicable	ch require reinforced medical
References	specific rules for t and amending the to prevention of cl 26 February 2004 88-1231 of 29/12/ 95-517 of 15 May article: R231-53 ; 232-5 to R 232-5- 231-54 to R 231-5 and R 233-30 ; La Labour code: prov R234-16 ; Labou 19 July 1976 ame classified installat	al surveillance ; Decree no. 2001-97 c the prevention of risks from carcinoger a Labour code ; Decree no. 2003-1254 hemical risks and amending the Labour on the placing on the market of biocid (1988 relating to poisonous preparation 1997, relating to the classification of c Labour code: Occupational air (ventila 14 ; Labour code: Prevention of chem 54-9 ; Labour code: Prevention of fires abour code: provisions applicable to we visions applicable to young workers: A r code: Sanitary installations: Art. R 23 ending and implementing decree of 21 ions for the protection of the environm ases according to article R461-3 of the	hs, mutagens and reprotoxics of 23 December 2003 relating ur code ; Decree no. 2004-187 of dal products ; Decree no. hs and substances. ; Decree no. dangerous waste. ; Labour code ation, air purification): Art. R ical risk: Art.R231-51 and R : Art.R232-12-13 to R 232-12-29 omen: Art. L 234-3 to L 236-6 ; rt. L 234-3 to L 236-6; Art: 32-2 à R 232-2-7 ; Law 76-663 of September 1977 relating to tent ; Tables of anticipated

15.2 Chemical safety assessment

: No Chemical Safety Assessment has been carried out.

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#### 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 Regulation [Regulation (EC) No. 1272/2008]
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- PBT = Persistent, Bioaccumulative and Toxic
- vPvB = Very Persistent and Very Bioaccumulative
- ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
- IMDG = International Maritime Dangerous Goods
- IATA = International Air Transport Association

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

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#### SECTION 16: Other information

Classification	Justification
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H335	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 3, H412	Calculation method
STOT SE 3, H336	Calculation method

#### Full text of abbreviated H statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated
	exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### Full text of classifications [CLP/GHS]

Acute Tox. 4	ACUTE TOXICITY - Category 4	
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2	
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3	
Asp. Tox. 1	ASPIRATION HAZARD - Category 1	
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1	
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2	
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2	
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3	
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B	
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C	
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2	
Skin Sens. 1	SKIN SENSITISATION - Category 1	
Skin Sens. 1A	SKIN SENSITISATION - Category 1A	
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE -	
	Category 2	
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE -	
	Category 3	

#### <u>History</u>

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#### **SECTION 16: Other information**

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