# **SAFETY DATA SHEET**

Date of issue/Date of revision

: 28 February 2025

Version : 2.02



Germany

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

1.1 Product identifier		
Product name	: SIGMAFAST 278 BASE RAL 7043	
Product code	: 000001202980	
Other means of identi	fication	
00477808		

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	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.

#### 1.3 Details of the supplier of the safety data sheet

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

+31 20 4075210

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

2.1 Classification of the substance or mixture Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Repr. 1B, H360F Aquatic Chronic 2, H411

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.

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

### 2.2 Label elements

2.2 Laber elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	<ul> <li>Flammable liquid and vapour. Causes skin irritation.</li> <li>May cause an allergic skin reaction.</li> <li>Causes serious eye irritation.</li> <li>May damage fertility.</li> <li>Toxic to aquatic life with long lasting effects.</li> </ul>
Prevention	: Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment.
Response	: Collect spillage. IF exposed or concerned: Get medical advice or attention.
Storage	: Not applicable.
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> <li>P280, P210, P273, P391, P308 + P313, P501</li> </ul>
Hazardous ingredients	<ul> <li>bis-[4-(2,3-epoxipropoxi)phenyl]propane; benzyl alcohol; Phenol, styrenated; oxirane, mono[(C12-14-alkyloxy)methyl] derivs. and Octadecanamide, N,N'-1,6-hexanediylbis [12-hydroxy-</li> </ul>
Supplemental label elements	: Contains epoxy constituents. May produce an allergic reaction.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Restricted to professional users.
Special packaging requiren	<u>ients</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 according to Regulation (EC) No. 1907/2006, Annex XIII	: 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	: None known.

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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
øs-[4-(2,3-epoxipropoxi) phenyl]propane	REACH #: 01-2119456619-26 EC: 216-823-5 CAS: 1675-54-3 Index: 603-073-00-2	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	Skin Irrit. 2, H315: C ≥ 5% Eye Irrit. 2, H319: C ≥ 5%	[1] [2]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥5.0 - ≤10	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]
benzyl alcohol	REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≥1.0 - ≤5.0	Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317	ATE [Oral] = 1200 mg/ kg	[1] [2]
Phenol, styrenated	EC: 262-975-0 CAS: 61788-44-1	≥1.0 - ≤5.0	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411	-	[1]
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≥1.0 - ≤5.0	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
oxirane, mono[ (C12-14-alkyloxy)methyl] derivs.	REACH #: 01-2119485289-22 EC: 271-846-8 CAS: 68609-97-2 Index: 603-103-00-4	≥1.0 - ≤5.0	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 1B, H360F	-	[1]
trizinc bis(orthophosphate)	REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6	≤1.0	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
Octadecanamide, N, N'-1,6-hexanediylbis [12-hydroxy-	CAS: 55349-01-4	<1.0	Skin Sens. 1, H317 Aquatic Chronic 4, H413 See Section 16 for	-	[1]
			the full text of the H statements declared above.		

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

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.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

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

#### 4.1 Description of first aid measures

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Eye contact	<ul> <li>Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>
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	<ul> <li>If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>
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 effects Eve contact : Causes serious eye irritation. Inhalation : No known significant effects or critical hazards. : Causes skin irritation. May cause an allergic skin reaction. **Skin contact** : No known significant effects or critical hazards. Ingestion Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: pain or irritation watering redness Inhalation : Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations **Skin contact** : Adverse symptoms may include the following: irritation redness reduced foetal weight increase in foetal deaths skeletal malformations

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SECTION 4: First a	id measures	
Ingestion	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations	
4.3 Indication of any imm	ediate medical attention and special treatment needed	
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>	
Specific treatments	: No specific treatment.	

### SECTION 5: Firefighting 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 from the substance or mixture

Hazards from the substance or mixture	lammable liquid and vapour. Runoff to sewer may create fire or explosion ha fire or if heated, a pressure increase will occur and the container may burst, sk of a subsequent explosion. This material is toxic to aquatic life with long l ffects. Fire water contaminated with this material must be contained and pre om being discharged to any waterway, sewer or drain.	with the asting
Hazardous combustion products	ecomposition products may include the following materials: arbon oxides alogenated compounds netal oxide/oxides	
5.3 Advice for firefighters		
Special precautions for fire-fighters	romptly isolate the scene by removing all persons from the vicinity of the incinere is a fire. No action shall be taken involving any personal risk or without saining. Move containers from fire area if this can be done without risk. Use pray to keep fire-exposed containers cool.	suitable
Special protective equipment for fire-fighters	ire-fighters should wear appropriate protective equipment and self-contained pparatus (SCBA) with a full face-piece operated in positive pressure mode. or fire-fighters (including helmets, protective boots and gloves) conforming to tandard EN 469 will provide a basic level of protection for chemical incidents	Clothing European

## **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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878		
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<b>SECTION 6: Accide</b>	ntal release measures	
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.	
6.3 Methods and material for	or containment and cleaning up	
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.	
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill 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

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7.2 Conditions for safe storage, including any incompatibilities	: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store with local regulations. Store in a segregated and approved area. Store container protected from direct sunlight in a dry, cool and well-ventilated from incompatible materials (see Section 10) and food and drink. Store Eliminate all ignition sources. Separate from oxidising materials. Keep closed and sealed until ready for use. Containers that have been opened carefully resealed and kept upright to prevent leakage. Do not store in u containers. Use appropriate containment to avoid environmental containers.	in original area, away locked up. container tightly ed must be unlabelled
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this m handled, stored and processed. Workers should wash hands and face drinking and smoking. Remove contaminated clothing and protective ec entering eating areas. See also Section 8 for additional information on h measures.	before eating, quipment before
Protective measures	: Put on appropriate personal protective equipment (see Section 8). Person history of skin sensitization problems should not be employed in any protective product is used. Avoid exposure - obtain special instructions before exposure during pregnancy. Do not handle until all safety precautions h and understood. Do not get in eyes or on skin or clothing. Do not ingest breathing vapour or mist. Avoid release to the environment. Use only wentilation. Wear appropriate respirator when ventilation is inadequate. storage areas and confined spaces unless adequately ventilated. Keep container or an approved alternative made from a compatible material, keep closed when not in use. Store and use away from heat, sparks, open flat ignition source. Use explosion-proof electrical (ventilating, lighting and r handling) equipment. Use only non-sparking tools. Take precautionary against electrostatic discharges. Empty containers retain product residu hazardous. Do not reuse container.	cess in which ave been read t. Avoid <i>v</i> ith adequate Do not enter in the original cept tightly ame or any other material measures

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### **SECTION 7: Handling and storage**

Section 10 for incompatible materials before handling or use.

#### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

### **SECTION 8: Exposure controls/personal protection**

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

#### 8.1 Control parameters

#### **Occupational exposure limits**

Product/ingredient name	Exposure limit values
bis-[4-(2,3-epoxipropoxi)phenyl]propane xylene	DFG MAC-values list (Germany, 7/2023) Skin sensitiser. TRGS 900 OEL (Germany, 6/2024) [Xylol] Absorbed through skin. TWA 8 hours: 220 mg/m <sup>3</sup> . PEAK 15 minutes: 440 mg/m <sup>3</sup> . TWA 8 hours: 50 ppm. PEAK 15 minutes: 100 ppm.
benzyl alcohol	<b>TRGS 900 OEL (Germany, 6/2024)</b> Absorbed through skin. PEAK 15 minutes: 10 ppm. PEAK 15 minutes: 44 mg/m <sup>3</sup> . TWA 8 hours: 22 mg/m <sup>3</sup> . TWA 8 hours: 5 ppm.
1-methoxy-2-propanol	TRGS 900 OEL (Germany, 6/2024) TWA 8 hours: 370 mg/m <sup>3</sup> . PEAK 15 minutes: 740 mg/m <sup>3</sup> . TWA 8 hours: 100 ppm. PEAK 15 minutes: 200 ppm.

#### **Biological exposure indices**

Product/ingredient name	Exposure indices
<b>xy</b> lene	<ul> <li>DFG BEI-values list (Germany, 7/2023) [Xylene (all isomers)]</li> <li>Notes: danger from percutaneous absorption (see p. 211 and p. 228).</li> <li>BEI: 2000 mg/l, methylhippuric acid (toluric acid) (all isomers) [in urine]. Sampling time: end of exposure or end of shift.</li> <li>TRGS 903 - BEI Values (Germany, 2/2024) [Xylene (all isomers)]</li> <li>BEI: 2000 mg/l, methylhippuric acid [in urine]. Sampling time: end of exposure or end of shift.</li> </ul>
1-methoxy-2-propanol	DFG BEI-values list (Germany, 7/2023) BEI: 15 mg/l, propylene glycol 1-methyl ether [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2024) BEI: 15 mg/l, 1-methoxypropan-2-ol [in urine]. Sampling time: end of exposure or end of shift.

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### **SECTION 8: Exposure controls/personal protection**

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/DMELs**

Product/ingredient name	Exposure		Value
Øís-[4- (2,3-epoxipropoxi) phenyl]propane	DNEL - Workers - Long term - Inhalation	Effects: Systemic	12.25 mg/m³
phenyipropane	DNEL - Workers - Short term - Inhalation	Effects: Systemic	12.25 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Dermal	Effects: Systemic	8.33 mg/kg bw/day
	DNEL - Workers - Short term - Dermal	Effects: Systemic	8.33 mg/kg bw/day
	DNEL - General population - Consumers - Long term - Dermal	Effects: Systemic	3.571 mg/kg bw/day
	DNEL - General population - Consumers - Short term - Dermal	Effects: Systemic	3.571 mg/kg bw/day
	DNEL - General population - Consumers - Long term - Oral	Effects: Systemic	0.75 mg/kg bw/day
	DNEL - General population - Consumers - Short term - Oral	Effects: Systemic	0.75 mg/kg bw/day
	DNEL - General population - Long term - Dermal	Effects: Systemic	89.3 µg/kg bw/day
	DNEL - General population - Long term - Oral	Effects: Systemic	0.5 mg/kg bw/day
	DNEL - Workers - Long term - Dermal	Effects: Systemic	0.75 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	Effects: Systemic	0.87 mg/m³
	DNEL - Workers - Long term - Inhalation	Effects: Systemic	4.93 mg/m <sup>3</sup>
xylene	DNEL - General population - Long term - Oral	Effects: Systemic	5 mg/kg bw/day
	DNEL - General population - Long term -	Effects: Local	65.3 mg/m³
	Inhalation DNEL - General population - Long term - Inhalation	Effects: Systemic	65.3 mg/m³
	DNEL - General population - Long term - Dermal	Effects: Systemic	125 mg/kg bw/day
	DNEL - Workers - Long term - Dermal	Effects: Systemic	212 mg/kg bw/day
	DNEL - Workers - Long term - Inhalation	Effects: Local	221 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Inhalation	Effects: Systemic	221 mg/m <sup>3</sup>
	DNEL - General population - Short term -	Effects: Local	260 mg/m <sup>3</sup>
	Inhalation		000
	DNEL - General population - Short term - Inhalation	Effects: Systemic	260 mg/m <sup>3</sup>
	DNEL - Workers - Short term - Inhalation	Effects: Local	442 mg/m <sup>3</sup>
	DNEL - Workers - Short term - Inhalation	Effects: Systemic	442 mg/m <sup>3</sup>
benzyl alcohol	DNEL - General population - Long term - Oral	Effects: Systemic	4 mg/kg bw/day
Sonzyi aloonol	DNEL - General population - Long term - Dermal	Effects: Systemic	4 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	Effects: Systemic	5.4 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Dermal	Effects: Systemic	8 mg/kg bw/day
	DNEL - General population - Short term - Oral	Effects: Systemic	20 mg/kg bw/day
	DNEL - General population - Short term - Dermal	Effects: Systemic	20 mg/kg bw/day
	DNEL - Workers - Long term - Inhalation	Effects: Systemic	$22 \text{ mg/m}^3$
	DNEL - General population - Short term -	Effects: Systemic	27 mg/m <sup>3</sup>
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### **SECTION 8: Exposure controls/personal protection**

	Inhalation	Effecter Sustainin	10 ma/ka hu/day
	DNEL - Workers - Short term - Dermal DNEL - Workers - Short term - Inhalation	Effects: Systemic Effects: Systemic	40 mg/kg bw/day 110 mg/m³
Phenol, styrenated	DNEL - General population - Long term - Oral	Effects: Systemic	0.75 mg/kg bw/day
Filenoi, styrenated	DNEL - General population - Long term - Dermal	Effects: Systemic	0.75 mg/kg bw/day
	DNEL - General population - Long term - Derman	Effects: Systemic	1.31 mg/m <sup>3</sup>
	Inhalation	Lifects. Systemic	1.51 mg/m
	DNEL - Workers - Long term - Dermal	Effects: Systemic	2.1 mg/kg bw/day
	DNEL - Workers - Long term - Defination	Effects: Systemic	7.4 mg/m <sup>3</sup>
1-methoxy-2-propanol	DNEL - General population - Long term - Oral	Effects: Systemic	33 mg/kg bw/day
r-metrioxy-z-proparior	DNEL - General population - Long term -	Effects: Systemic	43.9 mg/m <sup>3</sup>
	Inhalation	Encols. Oystennic	40.0 mg/m
	DNEL - General population - Long term - Dermal	Effects: Systemic	78 mg/kg bw/day
	DNEL - Workers - Long term - Dermal	Effects: Systemic	183 mg/kg bw/day
	DNEL - Workers - Long term - Inhalation	Effects: Systemic	369 mg/m <sup>3</sup>
	DNEL - Workers - Short term - Inhalation	Effects: Local	553.5 mg/m <sup>3</sup>
	DNEL - Workers - Short term - Inhalation	Effects: Systemic	553.5 mg/m <sup>3</sup>
oxirane, mono[	DNEL - General population - Long term - Oral	Effects: Systemic	0.5 mg/kg bw/day
(C12-14-alkyloxy)			······································
methyl] derivs.			
	DNEL - General population - Long term - Dermal	Effects: Systemic	0.5 mg/kg bw/day
	DNEL - General population - Long term -	Effects: Systemic	0.87 mg/m <sup>3</sup>
	Inhalation	,	č
	DNEL - Workers - Long term - Dermal	Effects: Systemic	1 mg/kg bw/day
	DNEL - Workers - Long term - Inhalation	Effects: Systemic	3.6 mg/m <sup>3</sup>

#### **PNECs**

Product/ingredient name	Compartment Detail - Method	Value
pís-[4-(2,3-epoxipropoxi)phenyl] propane	Fresh water - Assessment Factors	0.006 mg/l
	Marine water - Assessment Factors	0.001 mg/l
	Fresh water sediment - Equilibrium Partitioning	0.996 mg/kg dwt
	Marine water sediment - Equilibrium Partitioning	0.1 mg/kg dwt
	Soil - Equilibrium Partitioning	0.196 mg/kg dwt
	Sewage Treatment Plant - Assessment Factors	10 mg/l
	Secondary Poisoning - Assessment Factors	11 mg/kg
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
1-methoxy-2-propanol	Fresh water - Assessment Factors	10 mg/l
	Marine water - Assessment Factors	1 mg/l
	Sewage Treatment Plant - Assessment Factors	100 mg/l
	Fresh water sediment - Equilibrium Partitioning	41.6 mg/kg
	Marine water sediment - Equilibrium Partitioning	4.17 mg/kg
	Soil - Equilibrium Partitioning	2.47 mg/kg
trizinc bis(orthophosphate)	Fresh water - Sensitivity Distribution	20.6 µg/l
	Marine water - Sensitivity Distribution	6.1 µg/l
	Sewage Treatment Plant - Assessment Factors	100 µg/l
	Fresh water sediment - Sensitivity Distribution	117.8 mg/kg dwt
	Marine water sediment - Equilibrium Partitioning	56.5 mg/kg dwt
	Soil - Sensitivity Distribution	35.6 mg/kg dwt

### 8.2 Exposure controls

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ECTION 8: Exposur	e controls/personal protection
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 meas	ires
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 Skin protection	: Chemical splash goggles. Use eye protection according to EN 166.
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should b 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 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 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.

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### **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

	al ar	nd chemical propert	ties					
Appearance								
Physical state	:	Liquid.						
Colour	1	Grey.						
Odour	:	Aromatic. [Slight]						
Melting point/freezing point	:	Not determined.						
Boiling point or initial boiling point and boiling range	:	>37.78°C						
Flammability Lower and upper explosion limit		Not determined. There are no data available on the mixture itself. Not available.						
Flash point Auto-ignition temperature	-	Closed cup: 38°C						
		Ingredient name		°C	°F		Method	
		1-methoxy-2-propanol		270	518			
Decomposition temperature	:	Stable under recomr	mended st	orage a	nd handling c	ondition	s (see Sec	tion 7).
рН	:	Not applicable. insol	uble in wa	ter.				
Viscosity		Dynamic (room temp Kinematic (room tem Kinematic (40°C): >2	nperature)					
Viscosity	:	60 - 100 s (ISO 6mm	า)					
Solubility	:	·						
Media		Result						
cold water		Not soluble						
		Not applicable.						
	:							
water (log Pow)	:		Vapou	r Press	ure at 20°C	Var	oour press	sure at 50°C
water (log Pow)		Ingredient name	Vapou mm Hg		ure at 20°C Method	Vap mm Hg	oour press kPa	sure at 50°C Method
water (log Pow)						mm		
water (log Pow) Vapour pressure	:	Ingredient name	mm Hg	kPa		mm		sure at 50°C Method
water (log Pow) Vapour pressure Relative density	:	Ingredient name	mm Hg	kPa		mm		
water (log Pow) Vapour pressure Relative density <u>Particle characteristics</u>	:	Ingredient name 1-methoxy-2-propanol 1.7	mm Hg	kPa		mm		
water (log Pow) Vapour pressure Relative density <u>Particle characteristics</u> Median particle size	:	Ingredient name	mm Hg	kPa		mm		
water (log Pow) Vapour pressure Relative density <u>Particle characteristics</u> Median particle size .2 Other information	:	Ingredient name 1-methoxy-2-propanol 1.7 Not applicable.	8.5	kPa		mm		
Partition coefficient n-octanol/ water (log Pow) Vapour pressure Relative density <u>Particle characteristics</u> Median particle size 9.2 Other information 9.2.1 Information with regard to Explosive properties	: : : : : :	Ingredient name 1-methoxy-2-propanol 1.7 Not applicable. ysical hazard class The product itself is	es not explos	kPa 1.1	Method	mm Hg	kPa	Method
water (log Pow) Vapour pressure Relative density <u>Particle characteristics</u> Median particle size 9.2 Other information 9.2.1 Information with regard to	: : : : : :	Ingredient name 1-methoxy-2-propanol 1.7 Not applicable. ysical hazard class	es not explos	kPa 1.1 ive, but ble.	Method	mm Hg	kPa	Method

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### **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.
10.5 Incompatible materials	:	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6 Hazardous decomposition products	:	Depending on conditions, decomposition products may include the following materials: carbon oxides halogenated compounds metal oxide/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.

Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. May damage fertility.

#### Acute toxicity

Product/ingredient name	Result	Dose / Exposure
bis-[4-(2,3-epoxipropoxi)phenyl] propane	Rabbit - Dermal - LD50	23000 mg/kg
	Rat - Oral - LD50	15000 mg/kg
xylene	Rat - Oral - LD50	4.3 g/kg
	Rabbit - Dermal - LD50	1.7 g/kg
benzyl alcohol	Rabbit - Dermal - LD50	>2000 mg/kg
	Rat - Oral - LD50	1200 mg/kg
	Rat - Inhalation - LC50 Dusts and mists	>5 mg/l [4 hours]
Phenol, styrenated	Rabbit - Dermal - LD50	>5010 mg/kg
	Toxic effects: Gastrointestinal - Gastritis Liver -	
	Other changes Kidney, Ureter, and Bladder -	
	Other changes	
	Rat - Oral - LD50	3550 mg/kg
	<u>Toxic effects</u> : Behavioral - Food intake (animal)	
	Gastrointestinal - Gastritis Liver - Other changes	
1-methoxy-2-propanol	Rabbit - Dermal - LD50	13 g/kg
	Rat - Oral - LD50	5.2 g/kg
	Rat - Inhalation - LC50 Vapour	>7000 ppm [6 hours]
oxirane, mono[(C12-14-alkyloxy) methyl] derivs.	Rat - Oral - LD50	17100 mg/kg
	Rabbit - Dermal - LD50	>4000 mg/kg
trizinc bis(orthophosphate)	Rat - Oral - LD50	>5000 mg/kg
	Rat - Inhalation - LC50 Dusts and mists	>5.7 mg/l [4 hours]

Acute toxicity estimates

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

SECTION 11: TOXICOlogic			
Route		ATE value	
Oral Dermal Inhalation (vapours)		48241.21 mg/kg 30916.55 mg/kg 200.05 mg/l	
<b>Conclusion/Summary</b> : Based on available data, the classification criteria are not met.			
Irritation/Corrosion			
Product/ingredient name Result			
pís-[4-(2,3-epoxipropoxi)phenyl] propane	Rabbit - Eyes - Redness of the cor Duration of treatment/exposure: 24 Irritation score: 0.4		
-	Rabbit - Eyes - Mild irritant Duration of treatment/exposure: 24 Fully reversible in 7 days or less	4 hours	
-	Rabbit - Skin - Erythema/Eschar Duration of treatment/exposure: 4 Irritation score: 0.8	hours	
-	Rabbit - Skin - Oedema Duration of treatment/exposure: 4 Irritation score: 0.5	hours	
-	Rabbit - Skin - Mild irritant Duration of treatment/exposure: 4	hours	
xylene	Rabbit - Skin - Moderate irritant Amount/concentration applied: 500 Duration of treatment/exposure: 24		
Conclusion/Summary			
Skin : Ca	uses skin irritation.		
Eyes : Ca	uses serious eye irritation.		
	sed on available data, the classificat	tion criteria are not met.	
Respiratory or skin sensitization			
Product/ingredient name	Test	Result	
bis-[4-(2,3-epoxipropoxi)phenyl] propane	Mouse - skin	Result: Sensitising	
Phenol, styrenated	Mouse - skin OECD 429	Result: Sensitising	
Conclusion/Summary			
	ay cause an allergic skin reaction.		
	sed on available data, the classificat	tion criteria are not met.	
Mutagenicity Record on available data, the classifi	estion critoria are not mat		
Based on available data, the classific Carcinogenicity	Calion Chiena are not met.		
Based on available data, the classifie	cation criteria are not met.		
Reproductive toxicity			
May damage fertility.			
Specific target organ toxicity (sing	<u>gle exposure)</u>		
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### **SECTION 11: Toxicological information**

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

Conclusion/Summary :

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

Specific target organ toxicity (repeated exposure)

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

#### **Aspiration hazard**

Product/ingredient name	Result	
<b>x</b> ylene	ASPIRATION HAZARD - Category 1	

#### **Conclusion/Summary**

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

Information on likely : Not available.

routes of exposure

2

#### Potential acute health effects

Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Eye contact	: Causes serious eye irritation.
Symptoms related to the phy	sical, chemical and toxicological characteristics
Inhalation	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness reduced foetal weight increase in foetal deaths skeletal malformations
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Delayed and immediate effect	ts as well as chronic effects from short and long-term exposure
Short term exposure	
Potential immediate effects	: No known significant effects or critical hazards.
Potential delayed effects	: No known significant effects or critical hazards.
Long term exposure	
Potential immediate effects	: No known significant effects or critical hazards.
Potential delayed effects	: No known significant effects or critical hazards.

English (GB)

Germany

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

### Potential chronic health effects

General	: 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	: May damage fertility.
Other information	: Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death.

#### **11.2 Information on other hazards**

#### 11.2.1 Endocrine disrupting properties

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

#### **11.2.2 Other information**

Not available.

### **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	Dose / Exposure
bis-[4-(2,3-epoxipropoxi) phenyl]propane	Chronic - NOEC	Daphnia	0.3 mg/l [21 days]
	Acute - LC50 - Fresh water	Daphnia - <i>daphnia magna</i>	1.8 mg/l [48 hours]
Phenol, styrenated	Acute - EC50	Daphnia	3.8 mg/l [48 hours]
1-methoxy-2-propanol	Acute - LC50 - Fresh water	Fish - Goldfish	>4500 mg/l [96 hours]
	Acute - LC50	Daphnia - Daphnia	23300 mg/l [48 hours]
oxirane, mono[ (C12-14-alkyloxy)methyl] derivs.	LC50	Fish	>1.8 mg/l [96 hours]
	EC50	Daphnia	7.2 mg/l [48 hours]
	EC50	Algae	844 mg/l [72 hours]
trizinc bis(orthophosphate)	Acute - LC50	Fish	0.112 mg/l [96 hours]
	Chronic - NOEC	Fish	0.026 mg/l [30 days]

## 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose / Inoculum
Phenol, styrenated oxirane, mono[ (C12-14-alkyloxy)methyl] derivs.	OECD 301F OECD [ Ready Biodegradability - Manometric Respirometry Test]	7% [28 days] - Not readily 87% [28 days] - Readily	

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
øis-[4-(2,3-epoxipropoxi) phenyl]propane	-	-	Not readily
xylene	-	-	Readily
benzyl alcohol	-	-	Readily
Phenol, styrenated	-	-	Not readily
oxirane, mono[	-	-	Readily
(C12-14-alkyloxy)methyl]			
derivs.			

#### **12.3 Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
<b>x</b> ylene	3.12	7.4 to 18.5	Low
benzyl alcohol	0.87	-	Low
1-methoxy-2-propanol	<1	-	Low
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	3.77	160 to 263	Low

#### 12.4 Mobility in soil

#### Soil/water partition coefficient

Product/ingredient name	logKoc	Кос
<ul> <li>Is-[4-(2,3-epoxipropoxi)phenyl]propane</li> <li>benzyl alcohol</li> <li>1-methoxy-2-propanol</li> <li>Octadecanamide, N,N'-1,6-hexanediylbis</li> <li>[12-hydroxy-</li> </ul>	4.02 1.1 1.02 4.31	10465.7 12.6442 10.447 20556.9

#### 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**

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

#### 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

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

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### **SECTION 13: Disposal considerations**

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: 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 catalogue (EWC)

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

#### 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,	

### **SECTION 14: Transport information**

drains and sewers.

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	III	III	III	111
14.5 Environmental hazards	Yes.	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	Not applicable.	(bis-[4- (2,3-epoxipropoxi) phenyl]propane)	Not applicable.

#### Additional information

ADR/RID

: The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

Tunnel code : (D/E)

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ADN : The enviror ≤5 kg.	mentally hazardous s	ubstance mark is not requir	ed when transporte	d in sizes of ≤5 L o
IMDG : The marine	pollutant mark is not	required when transported i	n sizes of ≤5 L or ≤	5 kg.
IATA : The enviror regulations.	mentally hazardous s	ubstance mark may appear	if required by other	transportation
14.6 Special precautions for : user	-	Ensure that persons transp	•	
14.7 Maritime transport in oulk according to IMO nstruments	Not applicable.			
SECTION 15: Regulate	ory information			
15.1 Safety, health and environ	mental regulations/I	egislation specific for the	substance or mixt	ture
EU Regulation (EC) No. 1907/2	2006 (REACH)			
Annex XIV - List of substanc	es subject to author	isation		
Annex XIV				
None of the components are	listed.			
Substances of very high co	ncern			
None of the components are	listed.			
Annex XVII - Restrictions of		lacing on the market and	<u>use of certain dan</u>	<u>gerous</u>
substances, mixtures and a	<u>irticles</u>			
Product/ingredient name				umber(REACH)
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oxirane, mono[(C12-14-alkyl	oxy)methyl] derivs.		30	
Labelling	: Restricted to profe	ssional users.		
Explosive precursors :	Not applicable.			
Ozone depleting substances	••			
Not listed.				
Seveso Directive				
This product is controlled under	r the Seveso Directive	2		
Remark				
Category				
₽5c E2				
National regulations				

Product/ingredient name	List name	Not available.	Classification	Notes
trizinc bis(orthophosphate)		Zinc and its inorganic compounds	Develop C	-

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

Ingredient name	Carcinogen	• •	toxicity - Fertility	Reproductive toxicity - Development
1-Allyloxy-2,3-epoxypropan	Not applicable.	M (-)	Not applicable.	RD (-)

Based on the data available at the time of evaluation, no classification could be made to the categories listed in Annex I to the CLP Regulation.

#### Storage class (TRGS 510) : 3

#### **Danger criteria**

Category		Reference number
P5c E2		1.2.5.3 1.3.2
Hazard class for water	: Class 2	

AOX

The product contains organically bound halogens and can contribute to the AOX value in waste water.

References

: First General Administrative Regulation Pertaining to the Federal Immission Control Act (Technical Instructions on Air Quality Control - TA Luft); General administrative regulations amending the administrative regulations on water endangering substances (2005) ; Law on Explosive Substances (Explosive Act - SprengG) ; Law on the protection of young workers; Ordinance on the Implementation of Directive 2003/105/EC of the European Parliament and of the Council of 16 December 2003 amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances (Twelfth Ordinance on the Implementation of the Federal Immission Control Act (Major Accidents Ordinance) (12th Federal Immission Control Ordinance – 12. BImSchV)); Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC ; Regulation on the Carriage of Dangerous Goods by Road (GGVS) [European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)]; Regulation on the Carriage of Dangerous Substances on the Rhine (ADN); Regulation on the complementary implementation of the EC Directive on Maternity Protection (MuSchRiV - Maternity Protection Directive Regulation) Regulation on the European Liste of Wastes (GCU - Waste Regulation directory); Regulation on the protection against hazardous chemicals ; Regulation on the restrictions on the marketing and use of certain dangerous substances, preparations and articles according to the Chemicals Law; Technical Rules for Hazardous Substances (TRGS): Directory of carcinogenic, mutagenic and reprotoxic substances (TRGS 905); Technical Rules for Hazardous Substances (TRGS): Occupational Exposure Limits (TRGS 900)

#### 15.2 Chemical safety assessment

: No Chemical Safety Assessment has been carried out.

### SECTION 16: Other information

Indicates information that has changed from previously issued version. Abbreviations and acronyms

SECTION 16: Other information		
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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]

Classification	Justification
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Repr. 1B, H360F	Calculation method
Aquatic Chronic 2, H411	Calculation method

Full text of abbreviated H statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360F	May damage fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Full text of classifications [CLP/GHS]

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

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SECTION 16: Other information			
History			

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Date of previous issue	: 10 January 2025
Prepared by	: EHS
Version	: 2.02

#### <u>Disclaimer</u>

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