# **SAFETY DATA SHEET**

Date of issue/Date of revision

: 14 March 2025

Version : 15

Denmark

: 15.03 PPG

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

<b>1.1 Product identifier</b>	1	.1	Ρ	ro	du	ct	id	e	nt	if	ie	r
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Product name	:	SIGMASHIELD 460 BASE GREY 5177
Product code	:	00323897

Other means of identification

Not available.

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

#### National advisory body/Poison Centre

- **Telephone number**
- : Poison Information Centre; emergency telephone, public + 45 82 12 12 12 (health sector +45 35 31 55 55)

## **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 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**

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## 2.2 Label elements

nazaru pictograms	Hazard	pictograms
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Signal word	: Danger
Hazard statements	<ul> <li>Flammable liquid and vapour.</li> <li>Causes skin irritation.</li> <li>May cause an allergic skin reaction.</li> <li>Causes serious eye damage.</li> <li>Toxic to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	
Prevention	: Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment.
Response	: Collect spillage. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	: Not applicable.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
	P280, P210, P273, P391, P305 + P351 + P338, P501
Hazardous ingredients	reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700); nonylphenol; 2-methylpropan-1-ol and 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene
Supplemental label elements	: Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requiren	nents
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB 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	: Prolonged or repeated contact may dry skin and cause irritation.
	May cause endocrine disruption

May cause endocrine disruption.

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

3.2 Mixtures	3.2 Mixtures : Mixture						
Product/ingredient name	Identifiers	% by weight	Classification	Specific Conc. Limits, M-factors and ATEs	Туре		
Peaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	REACH #: 01-2119456619-26 EC: 500-033-5 CAS: 25068-38-6 Index: 603-074-00-8	≥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]		
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]		
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]		
nonylphenol	EC: 246-672-0 CAS: 25154-52-3 Index: 601-053-00-8	≥0.30 - <2.5	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361fd Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 580 mg/ kg M [Acute] = 10 M [Chronic] = 10	[1] [3]		
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥0.30 - ≤2.7	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-	[1] [2]		
1,3-bis[12-hydroxy- octadecamide-N- methylene]-benzene	REACH #: 01-2119962189-26 CAS: 911674-82-3 Index: 616-198-00-2	<1.0	Skin Sens. 1, H317 Aquatic Chronic 4, H413	-	[1]		
			See Section 16 for the full text of the H statements declared above.				

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

Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene. <u>Type</u>

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

Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance of equivalent concern - Endocrine disrupting properties

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

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	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.</li> </ul>
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         Eye contact       : Causes serious eye damage.         Inhalation       : No known significant effects or critical hazards.         Skin contact       : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.         Ingestion       : No known significant effects or critical hazards.         Over-exposure signs/symptoms         Eye contact       : Adverse symptoms may include the following: pain watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur         Ingestion       : Adverse symptoms may include the following: pain or irritation redness         dryness cracking blistering may occur       : Adverse symptoms may include the following: stomach pains         4.3 Indication of any immediate medical attention and special treatment needed         Notes to physician       : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.         Specific treatments       : No specific treatment.
Potential acute health effects         Eye contact       : Causes serious eye damage.         Inhalation       : No known significant effects or critical hazards.         Skin contact       : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.         Ingestion       : No known significant effects or critical hazards.         Over-exposure signs/symptoms       :         Eye contact       : Adverse symptoms may include the following: pain watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: pain watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: pain watering 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         Notes to physician       : Treat symptomatically. Contact poison treatment specialist immediately if large
Potential acute health effects         Eye contact       : Causes serious eye damage.         Inhalation       : No known significant effects or critical hazards.         Skin contact       : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.         Ingestion       : No known significant effects or critical hazards.         Over-exposure signs/symptoms       Eye contact         Eye contact       : Adverse symptoms may include the following: pain watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur         Ingestion       : Adverse symptoms may include the following: pain or irritation redness cracking blistering may occur
Potential acute health effects         Eye contact       : Causes serious eye damage.         Inhalation       : No known significant effects or critical hazards.         Skin contact       : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.         Ingestion       : No known significant effects or critical hazards.         Over-exposure signs/symptoms       : Adverse symptoms may include the following: pain watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: pain watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: pain watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur         Ingestion       : Adverse symptoms may include the following:
Potential acute health effects         Eye contact       : Causes serious eye damage.         Inhalation       : No known significant effects or critical hazards.         Skin contact       : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.         Ingestion       : No known significant effects or critical hazards.         Over-exposure signs/symptoms       Eye contact         Eye contact       : Adverse symptoms may include the following: pain watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: pain watering redness         Inhalation       : No specific data.         Skin contact       : Adverse symptoms may include the following: pain or irritation redness dryness cracking
Potential acute health effects         Eye contact       : Causes serious eye damage.         Inhalation       : No known significant effects or critical hazards.         Skin contact       : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.         Ingestion       : No known significant effects or critical hazards.         Over-exposure signs/symptoms       : Adverse symptoms may include the following: pain watering redness
Potential acute health effects         Eye contact       : Causes serious eye damage.         Inhalation       : No known significant effects or critical hazards.         Skin contact       : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.         Ingestion       : No known significant effects or critical hazards.         Over-exposure signs/symptoms       : Adverse symptoms may include the following: pain watering
Potential acute health effectsEye contact: Causes serious eye damage.Inhalation: No known significant effects or critical hazards.Skin contact: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.Ingestion: No known significant effects or critical hazards.
Potential acute health effectsEye contact: Causes serious eye damage.Inhalation: No known significant effects or critical hazards.Skin contact: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Potential acute health effectsEye contact: Causes serious eye damage.Inhalation: No known significant effects or critical hazards.
Potential acute health effects         Eye contact       : Causes serious eye damage.

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## **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 fr	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 toxic 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 halogenated compounds metal oxide/oxides
5.3 Advice for firefighters	
Special precautions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## **SECTION 6: Accidental release measures**

6.1 Personal precautions, pro	ptective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. 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. Collect spillage.
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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SECTION 6: Ac	dental release measures
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and

	place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other sections	<ul> <li>See Section 1 for emergency contact information.</li> <li>See Section 8 for information on appropriate personal protective equipment.</li> <li>See Section 13 for additional waste treatment information.</li> </ul>

## **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
xýlene	Working Environment Authority (Denmark, 3/2024) [xylen, alle isomere] Absorbed through skin. TWA 8 hours: 25 ppm. TWA 8 hours: 109 mg/m <sup>3</sup> . STEL 15 minutes: 442 mg/m <sup>3</sup> . STEL 15 minutes: 100 ppm.
ethylbenzene	Working Environment Authority (Denmark, 3/2024) K. Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 217 mg/m <sup>3</sup> . STEL 15 minutes: 434 mg/m <sup>3</sup> . STEL 15 minutes: 100 ppm.
2-methylpropan-1-ol	Working Environment Authority (Denmark, 3/2024) [butanol, alle isomere] Absorbed through skin. CEIL: 50 ppm. CEIL: 150 mg/m <sup>3</sup> .
procedures Standard I by inhalati strategy) application biological requireme	e should be made to monitoring standards, such as the following: European EN 689 (Workplace atmospheres - Guidance for the assessment of exposure on to chemical agents for comparison with limit values and measurement European Standard EN 14042 (Workplace atmospheres - Guide for the n and use of procedures for the assessment of exposure to chemical and agents) European Standard EN 482 (Workplace atmospheres - General ants for the performance of procedures for the measurement of chemical Reference to national guidance documents for methods for the determination

of hazardous substances will also be required.

#### **DNELs/DMELs**

Product/ingredient name	Exposure		Value
Peaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	DNEL - Workers - Long term - Inhalation	Effects: Systemic	12.25 mg/m³
	DNEL - Workers - Short term - Inhalation	Effects: Systemic	12.25 mg/m³
	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
xylene	DNEL - General population - Long term - Oral	Effects: Systemic	5 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	Effects: Local	65.3 mg/m <sup>3</sup>
English (GB)	Denmark		7/21

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

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	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 - Inhalation	Effects: Local	260 mg/m³
	DNEL - General population - Short term - Inhalation	Effects: Systemic	260 mg/m³
	DNEL - Workers - Short term - Inhalation	Effects: Local	442 mg/m³
	DNEL - Workers - Short term - Inhalation	Effects: Systemic	442 mg/m <sup>3</sup>
ethylbenzene	DMEL - Workers - Long term - Inhalation	Effects: Local	442 mg/m³
	DMEL - Workers - Short term - Inhalation	Effects: Systemic	884 mg/m³
	DNEL - General population - Long term - Oral	Effects: Systemic	1.6 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	Effects: Systemic	15 mg/m³
	DNEL - Workers - Long term - Inhalation	Effects: Systemic	77 mg/m³
	DNEL - Workers - Long term - Dermal	Effects: Systemic	180 mg/kg bw/day
	DNEL - Workers - Short term - Inhalation	Effects: Local	293 mg/m <sup>3</sup>
2-methylpropan-1-ol	DNEL - General population - Long term - Inhalation	Effects: Local	55 mg/m³
	DNEL - Workers - Long term - Inhalation	Effects: Local	310 mg/m³

**PNECs** 

Product/ingredient name	Compartment Detail - Method	Value
reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	Fresh water - Assessment Factors	0.006 mg/l
,	Marine water - Assessment Factors Sewage Treatment Plant - Assessment Factors Fresh water sediment - Equilibrium Partitioning Marine water sediment - Equilibrium Partitioning	0.001 mg/l 10 mg/l 0.996 mg/kg dwt 0.1 mg/kg dwt
xylene	Fresh water Marine water Sewage Treatment Plant Fresh water sediment Marine water sediment Soil	0.327 mg/l 0.327 mg/l 6.58 mg/l 12.46 mg/kg dwt 12.46 mg/kg dwt 2.31 mg/kg
ethylbenzene	Fresh water - Assessment Factors Marine water - Assessment Factors Sewage Treatment Plant - Assessment Factors Fresh water sediment - Equilibrium Partitioning Marine water sediment - Equilibrium Partitioning Soil - Equilibrium Partitioning Secondary Poisoning	0.1 mg/l 0.01 mg/l 9.6 mg/l 13.7 mg/kg dwt 1.37 mg/kg dwt 2.68 mg/kg dwt 20 mg/kg
2-methylpropan-1-ol	Fresh water - Assessment Factors Marine water - Assessment Factors Sewage Treatment Plant - Assessment Factors Fresh water sediment - Equilibrium Partitioning Marine water sediment Soil - Equilibrium Partitioning	0.4 mg/l 0.04 mg/l 10 mg/l 1.56 mg/kg dwt 0.156 mg/kg dwt 0.076 mg/kg dwt

## 8.2 Exposure controls

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

ode    : 00323897 IGMASHIELD 460 BASE GR	Date of issue/Date of revision : 14 March 2025
•	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 gar vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Individual protection measu	
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	<ul> <li>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.</li> </ul>
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.

		nd chemical proper	ties					
<u>Appearance</u>								
Physical state	1	Liquid.						
Colour	:	Grey.						
Odour	1	Aromatic.						
Melting point/freezing point	1	Not determined.						
Boiling point or initial boiling point and boiling range	:	>37.78°C						
Flammability Lower and upper explosion limit		Not determined. The Not available.	ere are no	data ava	ailable on the	e mixture	itself.	
Flash point	÷	Closed cup: 25°C						
Auto-ignition temperature	1	Ingredient name		°C	°F		Method	
				370	698		Methou	
				010				
Decomposition temperature	:	Stable under recom	mended st	orage a	nd handling	condition	s (see Sec	tion 7).
pH	1	Not applicable. insol	uble in wa	ter.				
Viscosity	:	Øynamic (room tem Kinematic (room ten Kinematic (40°C): >2	, nperature)					
0								
Solubility	- ÷.							
Media	:	Result						
-	:	Result Not soluble						
Media cold water Partition coefficient n-octanol/	:							
	:	Not soluble	Vароц	r Press	sure at 20°C	Va	pour press	sure at 50°C
Media cold water Partition coefficient n-octanol/ water (log Pow)		Not soluble	Vapou mm Hg		sure at 20°C Method	Va mm Hg	pour press kPa	sure at 50°C Method
Media cold water Partition coefficient n-octanol/ water (log Pow)		Not soluble Not applicable.		kPa	I	mm		
Media cold water Partition coefficient n-octanol/ vater (log Pow) /apour pressure	:	Not soluble Not applicable.	mm Hg	kPa	Method DIN EN	mm		
Media cold water Partition coefficient n-octanol/ vater (log Pow) /apour pressure	:	Not soluble         Not applicable.         Ingredient name         2-methylpropan-1-ol	mm Hg	kPa	Method DIN EN	mm		
Media         cold water         Partition coefficient n-octanol/ water (log Pow)         /apour pressure         Relative density         Particle characteristics	:	Not soluble         Not applicable.         Ingredient name         2-methylpropan-1-ol	mm Hg	kPa	Method DIN EN	mm		sure at 50°C Method
Media         cold water         Partition coefficient n-octanol/ water (log Pow)         Vapour pressure         Relative density         Particle characteristics         Median particle size         .2 Other information	:	Not soluble         Not applicable.         Ingredient name         2-methylpropan-1-ol         1.53         Not applicable.		kPa	Method DIN EN	mm		
Media cold water Partition coefficient n-octanol/ water (log Pow)	: : : o ph	Not soluble         Not applicable.         Ingredient name         2-methylpropan-1-ol         1.53         Not applicable.         sysical hazard class         The product itself is	<pre>mm Hg &lt;12.00102 es not explose</pre>	kPa <1.6	Method DIN EN 13016-2	mm Hg	kPa	Method
Media         cold water         Partition coefficient n-octanol/ water (log Pow)         Vapour pressure         Relative density         Particle characteristics         Median particle size         .2 Other information         9.2.1 Information with regard t	: : : o ph :	Not soluble         Not applicable.         Ingredient name         2-methylpropan-1-ol         1.53         Not applicable.         not applicable.	<pre>mm Hg &lt;12.00102 </pre>	kPa <1.6 ive, but ble.	Method DIN EN 13016-2	mm Hg	kPa	Method

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## SECTION 10: Stability and reactivity

	-	-
10.1 Reactivity	1	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.

Zauses serious eye damage.

Causes skin irritation.

May cause an allergic skin reaction.

## **Acute toxicity**

Product/ingredient name	Result	Dose / Exposure
<pre>peaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)</pre>	Rat - Oral - LD50	>2 g/kg
,	Rabbit - Dermal - LD50	>2 g/kg
xylene	Rat - Oral - LD50	4.3 g/kg
-	Rabbit - Dermal - LD50	1.7 g/kg
ethylbenzene	Rat - Oral - LD50	3.5 g/kg
	Rabbit - Dermal - LD50	17.8 g/kg
	Rat - Inhalation - LC50 Vapour	17.8 mg/l [4 hours]
nonylphenol	Rabbit - Dermal - LD50	2.14 g/kg
	Rat - Oral - LD50	580 mg/kg
2-methylpropan-1-ol	Rat - Oral - LD50	2830 mg/kg
	Rabbit - Dermal - LD50	2460 mg/kg
	Rat - Inhalation - LC50 Vapour	24.6 mg/l [4 hours]
1,3-bis[12-hydroxy-octadecamide- N-methylene]-benzene	Rat - Inhalation - LC50 Dusts and mists	>5.08 mg/l [4 hours]

## **Acute toxicity estimates**

Route	ATE value	
Øral	34306.33 mg/kg	
Dermal	17689.28 mg/kg	
Inhalation (vapours)	103.12 mg/l	
Conclusion/Cummony	to the electification with the net met	

Conclusion/Summary

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

Irritation/Corrosion

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**SECTION 11: Toxicological information** 

Product/ingredient name	Result		
<pre>Feaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)</pre>	Rabbit - Skin - Moderate irritant		
-	<u>Rabbit - Eyes - Moderate irritant</u>		
-	<u>Rabbit - Eyes - Mild irritant</u> Amount/concentration applied: 100 mg		
-	<u>Rabbit - Skin - Moderate irritant</u> Amount/concentration applied: 500 UI Duration of treatment/exposure: 24 hours		
-	<u>Rabbit - Skin - Severe irritant</u> Amount/concentration applied: 2 mg Duration of treatment/exposure: 24 hours		
xylene	Rabbit - Skin - Moderate irritant Amount/concentration applied: 500 mg Duration of treatment/exposure: 24 hours		
Conclusion/Summary			
Skin : 🗹	uses skin irritation.		
Eyes : 🗹	uses serious eye damage.		
Respiratory : Bas	sed on available data, the classification criteria are not met.		

## Respiratory or skin sensitization

Product/ingredient name	Test	Result
· · · ·	Mouse - skin OECD 429	Result: Sensitising

#### 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	•••	Route of exposure	Target organs
<b>x</b> ylene	Category 3	-	Respiratory tract irritation
2-methylpropan-1-ol	Category 3	-	Respiratory tract irritation
-	Category 3	-	Narcotic effects

#### **Conclusion/Summary**

 $\mathbf{B}$  ased on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure)

English (GB)	Denmark	12/21
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SECTION 11: Toxicological info	ormation		
Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene	Category 2	-	hearing organs
Conclusion/Summary : Based on available data, the classification crit Aspiration hazard	eria are not met.		

#### **Product/ingredient name** Result **x**ylene **ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1** ethylbenzene

## **Conclusion/Summary**

Inhalation

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

÷

Information on likely routes of exposure	: Not available.
Potential acute health effe	ects

#### : No known significant effects or critical hazards. Ingestion : No known significant effects or critical hazards. 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 physical, chemical and toxicological characteristics Inhalation : No specific data. 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

	blistering may occur
Eye contact	: Adverse symptoms may include the following:
	pain
	watering
	redness

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

<u>Short term exposure</u>		
Potential immediate effects	: No known significant effects or critical hazards.	
· · · · · · · · · · · · · · · · · · ·	: No known significant effects or critical hazards.	
<u>Long term exposure</u>		
Potential immediate effects	: No known significant effects or critical hazards.	
Potential delayed effects	: No known significant effects or critical hazards.	
Potential chronic health effe	ects	

General	<ul> <li>Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.</li> </ul>
Carcinogenicity	: No known significant effects or critical hazards.
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## **SECTION 11: Toxicological information**

Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.
Other information	: Prolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.
11.2 Information on other h	azarde

#### 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
Faction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	Chronic - NOEC	Daphnia	0.3 mg/l [21 days]
ethylbenzene	Acute - EC50 - Fresh water	Daphnia	1.8 mg/l [48 hours]
	Chronic - NOEC - Fresh water	Daphnia - <i>Ceriodaphnia</i> <i>dubia</i>	1 mg/l
nonylphenol	Chronic - EC10 - Fresh water	Algae - Green algae - Desmodesmus subspicatus	0.003 mg/l [72 hours]
	Acute - EC50 - Fresh water	Algae - Green algae - Desmodesmus subspicatus	0.056 mg/l [72 hours]
	Chronic - NOEC - Fresh water	Daphnia - Water flea - Daphnia magna	1 µg/l [21 days]
2-methylpropan-1-ol	Acute - EC50	Daphnia	1100 mg/l [48 hours]
1,3-bis[12-hydroxy- octadecamide-N-methylene]- benzene	Acute - LC50	Fish	>100 mg/l [96 hours]

**Conclusion/Summary** : **P**oxic to aquatic life with long lasting effects.

## 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose / Inoculum
A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)		5% [28 days]	
ethylbenzene	-	79% [10 days] - Readily	

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## **SECTION 12: Ecological information**

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Peaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	-	-	Not readily
xylene ethylbenzene	-	-	Readily Readily

#### **12.3 Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
epoxy resin (number average molecular weight ≤ 700)	2.64 to 3.78	31	Low
xylene	3.12	7.4 to 18.5	Low
ethylbenzene	3.6	79.43	Low
nonylphenol	3.28	154.88	Low
2-methylpropan-1-ol	1	-	Low

## 12.4 Mobility in soil

#### Soil/water partition coefficient

Product/ingredient name	logKoc	Кос
<pre>peaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)</pre>	2.65	445
ethylbenzene 2-methylpropan-1-ol	2.23 1.08	170.406 12.0246

#### 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

May cause endocrine disruption.

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

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.
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#### 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.

internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways,

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	

# SECTION 14: Transport information

drains and sewers.

	-			
	ADR/RID	ADN	IMDG	IATA
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	Ш	III	III
14.5 Environmental hazards	Yes.	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	Not applicable.	<ul> <li>(reaction product: bisphenol-A- (epichlorohydrin); epoxy resin)</li> </ul>	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)

English (GB)	

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

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SECTION 14: Transport information		

ADN	: The envir ≤5 kg.	onmentally hazardous substance mark is not required when transported in sizes of $\leq$ 5 L or
IMDG	: The marin	ne pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
ΙΑΤΑ	: The envir regulatior	onmentally hazardous substance mark may appear if required by other transportation s.
14.6 Specia user	I precautions for	<b>: Transport within user's premises:</b> 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 Maritin	ne 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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

## Annex XIV

None of the components are listed.

Substances of very high concern

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
Substance of equivalent concern for environment	nonylphenol	Candidate	ED/169/2012	4/19/2013
Endocrine disrupting properties for environment	nonylphenol	Candidate	ED/169/2012	12/19/2012

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 )
GMASHIELD 460 BASE GREY 5177	3
nonylphenol	46

Labelling

: Not applicable.

**Explosive precursors** : Not applicable.

Ozone depleting substances (EU 2024/590)

Not listed.

## Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria Category

Category		
₽5c E2		
E2		

National regulations

English (GB)

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SECTION 15: Regulatory information			
Product registration number	: PR-989323		

## Fire class

# Executive Order No. 1795/2015 Ingredient name Annex I Section A Annex I Section B glass, oxide, chemicals Listed ethylbenzene Listed

MAL-code : 3-5

**Protection based on MAL** 

# : According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:

**General:** Gloves must be worn for all work that may result in soiling. Apron/coveralls/ protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required.

In all spraying operations in which there is return spray, the following must be worn: respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.

MAL-code: 3-5

: **II**-1

**Application:** When using scraper or knife, brush, roller etc. for pre- and posttreatments in a spray booth where the operator is outside the spray zone and when working in similar new\* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone. When spraying in new\* booths and cabins with non-atomizing guns.

- Protective clothing must be worn.

During downtimes, cleaning and repair in closed facilities, spray booths or cabins, if there is a risk of contact with wet paint or organic solvents. When using scraper or knife, brush, roller, etc, for pre- and post-treatments in cabins or booths of the existing\* facility type, if the operator is inside the spray zone. When using scraper or knife, brush, roller, etc. for pre- and post-treatments outside a closed facility, spray booth or spray cabin.

- Air-supplied half mask, protective clothing and eye protection must be worn.

When spraying in new\* booths if the operator is outside the spray zone.

- Air-supplied half mask and eye protection must be worn.

When spraying in existing\* spray booths, if the operator is outside the spray zone. During non-atomising spraying in existing\* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone.

- Air-supplied full mask and protective clothing must be worn.

During all spraying where atomisation occurs in cabins or spray booths where the operator is inside the spray zone and during spraying outside a closed facility, cabin or booth.

- Air-supplied full mask, protective clothing and hood must be worn.

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## **SECTION 15: Regulatory information**

	<b>Drying:</b> Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.	
	<b>Polishing:</b> When polishing treated surfaces, a mask with dust filter must be worn. When machine grinding, eye protection must be worn. Work gloves must always be worn.	
	<b>Caution</b> The regulations contain other stipulations in addition to the above.	
	*See Regulations.	
Restrictions on use	: Not to be used by professional users below 18 years of age. See the National Working Environment Authorities Executive Order regarding Young People At Work.	
List of undesirable substances	: Listed	
Carcinogenic waste	: Waste containers must be labeled: Contains a substance or substances regulated by Danish working environment legislation on cancer risks.	

## 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

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

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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
Aquatic Chronic 2, H411	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.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn
	child.
H373	May cause damage to organs through prolonged or repeated
	exposure.
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	
H411 H412	

## Full text of classifications [CLP/GHS]

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Aquatic Chronic 4	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4
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
Repr. 2	REPRODUCTIVE TOXICITY - Category 2
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
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>

Date	of issue	/ Date of
revis	ion	

: 14 March 2025

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SECTION 16: Other information			
Date of previous issue	: 16 September 2024	4	
Prepared by	: EHS		
Version	: 15.03		

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