

SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

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

1.1 Product identifier

Product name: RW636 AlphaGuard FC LO Thix ~RAL7038

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Coatings

Uses advised against: Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Importer/Supplier/Distributor Information

Alteco Technik GmbH
Raiffeisenstrasse 16
D-27239 Twistringen
Germany

Telephone: +49 424392950

Fax: +49 4243929589

Contact person : MSDS_Alteco@tremcocpg.com

National Supplier

Tremco CPG UK Limited
Coupland Road
WN2 4HT Hindley Green, WIGAN
UK

Telephone: +44 1942251400

Fax: +44 1942251410

Contact person : www.tremcocpg.eu, uk.info@tremcocpg.com

1.4 Emergency telephone number: 111 / 0300 020 0155

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

Health Hazards

Skin irritation	Category 2	H315: Causes skin irritation.
Serious eye irritation	Category 2	H319: Causes serious eye irritation.
Skin sensitiser	Category 1	H317: May cause an allergic skin reaction.
Carcinogenicity	Category 2	H351: Suspected of causing cancer.

Reproductive toxicity

Category 2

H361: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Category 3

H335: May cause respiratory irritation.

Environmental hazards

Chronic hazards to the aquatic environment

Category 3

H412: Harmful to aquatic life with long lasting effects.

Very persistent and very mobile

EUH451: Can cause very long-lasting and diffuse contamination of water resources

2.2 Label elements



Signal Words:

Danger

Hazard Statement(s):

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.
H351: Suspected of causing cancer.
H361: Suspected of damaging fertility or the unborn child.
H335: May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects.
EUH451: Can cause very long-lasting and diffuse contamination of water resources

Precautionary Statements

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash face, hands and any exposed skin thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P312: Call a POISON CENTER or doctor/ physician if you feel unwell.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

Hazardous components which must be listed on the label:

Contains
Benzyl methacrylate
melamine
2-hydroxyethyl methacrylate

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Diethylphosphinic acid, aluminum salt
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
Propylidynetrimethanol, ethoxylated, esters with acrylic acid
Diethanol-p-toluidin
2,2'-ethylenedioxydiethyl dimethacrylate

2.3 Other hazards

PBT/vPvB data

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine disrupting properties-Toxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Endocrine disrupting properties-Ecotoxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Benzyl methacrylate	10 - <20%	2495-37-6	219-674-4	01-2119960155-39-XXXX;	No data available.	
melamine	5 - <10%	108-78-1	203-615-4	01-2119485947-16-xxxx;	No data available.	
Diethylphosphinic acid, aluminum salt	5 - <10%	225789-38-8	428-310-5	01-0000017463-71-XXXX;	No data available.	
2-hydroxyethyl methacrylate	5 - <10%	868-77-9	212-782-2	01-2119490169-29-XXXX;	No data available.	
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-	1 - <2,5%	1065336-91-5		01-2119491304-40-XXXX;	No data available.	

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4-piperidyl sebacate						
Propylidynetri methanol, ethoxylated, esters with acrylic acid	0,1 - <1%	28961-43-5	500-066-5	01-2119489900-30-xxxx;	No data available.	
Diethanol-p-toluidin	0,1 - <1%		911-490-9	01-2119979579-10-XXXX;	No data available.	
2,2'-ethylenedioxy diethyl dimethacrylate	0,1 - <1%	109-16-0	203-652-6	01-2119969287-21-XXXX;	No data available.	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

This substance is listed as SVHC.

Classification

Chemical name	Classification	Notes
Benzyl methacrylate	Classification: Skin Irrit.: 2: H315; Eye Irrit.: 2: H319; STOT SE: 3: H335; Skin Sens.: 1B: H317 Specific concentration limit: Specific target organ toxicity - single exposure Category 3, >= 10 %; Acute toxicity, oral: LD 50: 4.450 mg/kg Acute toxicity, dermal: LD 50: > 2.000 mg/kg	Note A
melamine	Classification: Carc.: 2: H351; STOT RE: 2: H373; Repr.: 2: H361 Acute toxicity, oral: LD 50: 3.161 mg/kg Acute toxicity, inhalation: LC 50: > 5.190 mg/m3	None.
Diethylphosphinic acid, aluminum salt	Classification: vPvM: EUH451 Acute toxicity, oral: LD 50: > 2.000 mg/kg Acute toxicity, dermal: LD 50: > 2.000 mg/kg	None.
2-hydroxyethyl methacrylate	Classification: Skin Irrit.: 2: H315; Skin Sens.: 1: H317; Eye Irrit.: 2: H319 Acute toxicity, oral: LD 50: >= 2.000 mg/kg Acute toxicity, dermal: LD 50: > 5.000 mg/kg	Note D
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl	Classification: Skin Sens.: 1A: H317; Repr.: 2: H361; Aquatic Acute: 1: H400; Aquatic Chronic: 1: H410 Acute toxicity, oral: LD 50: 3.230 mg/kg	None.

sebacate		
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	Classification: Eye Irrit.: 2: H319; Skin Sens.: 1B: H317; Aquatic Chronic: 3: H412 Acute toxicity, oral: LD 50: > 2.000 mg/kg Acute toxicity, dermal: LD 50: > 13.200 mg/kg	None.
Diethanol-p-toluidin	Classification: Acute Tox.: 4: H302; Skin Irrit.: 2: H315; Skin Sens.: 1: H317; Eye Dam.: 1: H318; Aquatic Chronic: 3: H412 Acute toxicity, oral: LD 50: 619 mg/kg Acute toxicity, dermal: LD 50: > 2.000 mg/kg	None.
2,2'-ethylenedioxydiethyl dimethacrylate	Classification: Skin Sens.: 1B: H317 Acute toxicity, dermal: LD 50: > 2.000 mg/kg	None.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Move out of dangerous area. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Get medical attention if symptoms persist. Remove contaminated clothing and shoes.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, trained personnel should give oxygen. Get medical attention immediately. Place unconscious person on his/her side in the recovery position and ensure breathing can take place.

Skin Contact:

Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact:

Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Do not give victim anything to drink if he is unconscious. DO NOT induce vomiting. Get medical attention immediately.

Personal Protection for First-aid Responders:

No data available.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation.
Hazards:	No data available.

4.3 Indication of any immediate medical attention and special treatment needed
Treatment: No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture:

Fire or excessive heat may result in rupture of container due to bulk polymerisation. In case of fire, toxic gases may be formed. Carbon monoxide. Carbon dioxide. Organic compounds.

5.3 Advice for firefighters

Special fire-fighting procedures:	Water spray should be used to cool containers. Evacuate area. Dyke and collect extinguishing water. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

6.1.1 For non-emergency personnel:

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Avoid breathing vapours. Avoid contact with eyes, skin, and clothing.

6.1.2 For emergency responders:

See Section 8 of the SDS for Personal Protective Equipment.

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| 6.2 Environmental precautions: | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. |
| 6.3 Methods and material for containment and cleaning up: | Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. |
| 6.4 Reference to other sections: | For waste disposal, see section 13. |

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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|------------------------------------|--|
| Technical Measures: | No data available. |
| Local/Total ventilation: | No data available. |
| Safe handling advice: | Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Do not breathe mist or vapour. Do not get in eyes and avoid contact with skin and clothing. |
| Contact avoidance measures: | No data available. |

7.2 Conditions for safe storage, including any incompatibilities

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| Safe storage conditions: | Never fill containers more than 80 % because aerial oxygen is necessary for stabilising. Store in closed original container at temperatures between 0°C and 30°C. Store in cool, dry place. Protect from sunlight. Store away from: Oxidising material. Reducing Agents. Peroxides Polymerisation initiators. Acids. Bases. Rust. Activated carbon. |
| Safe packaging materials: | No data available. |

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| 7.3 Specific end use(s): | No data available. |
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

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DNEL-Values

Remarks: DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Benzyl methacrylate	Workers	Inhalation	Systemic, long-term; 24,2 mg/m3	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 7,2 mg/m3	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 4,17 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 6,94 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 4,17 mg/kg	Repeated dose toxicity
	General population	Eyes	Local effect;	No hazard identified
melamine	Workers	Eyes	Local effect;	No hazard identified
	Workers	Dermal	Systemic, short-term; 117 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 0,42 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 4,2 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 1,5 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 8,3 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, short-term; 82,3 mg/m3	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 11,8 mg/kg	Repeated dose toxicity
	Workers	Eyes	Local effect;	No hazard identified
	General population	Eyes	Local effect;	No hazard identified
Diethylphosphinic acid, aluminum salt	General population	Eyes	Local effect;	No hazard identified
	Workers	Eyes	Local effect;	No hazard identified
2-hydroxyethyl methacrylate	General population	Inhalation	Systemic, long-term; 1,45 mg/m3	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 1,39 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 4,9 mg/m3	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 0,83 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 0,83 mg/kg	Repeated dose toxicity
	Workers	Eyes	Local effect;	Low hazard (no threshold derived)
	General population	Eyes	Local effect;	Low hazard (no threshold derived)
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Workers	Eyes	Local effect;	No hazard identified
	General population	Eyes	Local effect;	No hazard identified
	General population	Oral	Systemic, long-term; 0,05 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 0,5 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 0,17 mg/m3	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 0,25 mg/kg	Repeated dose toxicity

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	Workers	Inhalation	Systemic, long-term; 0,68 mg/m3	Repeated dose toxicity
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	Workers	Inhalation	Systemic, long-term; 37 mg/m3	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 10,5 mg/kg	Repeated dose toxicity
	General population	Eyes	Local effect;	No hazard identified
Diethanol-p-toluidin	General population	Eyes	Local effect;	Medium hazard (no threshold derived)
	Workers	Eyes	Local effect;	Medium hazard (no threshold derived)
	Workers	Inhalation	Systemic, long-term; 9,8 mg/m3	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 2,9 mg/m3	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 1,4 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 0,83 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 0,83 mg/kg	Repeated dose toxicity
2,2'-ethylenedioxydiethyl dimethacrylate	General population	Inhalation	Systemic, long-term; 14,5 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 48,5 mg/m3	Repeated dose toxicity
	General population	Eyes	Local effect;	No hazard identified
	Workers	Eyes	Local effect;	No hazard identified
	Workers	Dermal	Systemic, long-term; 13,9 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 8,33 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 8,33 mg/kg	Repeated dose toxicity

PNEC-Values

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
Benzyl methacrylate	Aquatic (freshwater)	0,01 mg/l	
	Soil	0,079 mg/kg	Soil
	Aquatic (marine water)	0,001 mg/l	
	Sediment (freshwater)	0,423 mg/kg	
	Sewage treatment plant	1,33 mg/l	
	Sediment (marine water)	0,042 mg/kg	
melamine	Sewage treatment plant	200 mg/l	
	Aquatic (marine water)	0,051 mg/l	
	Aquatic (freshwater)	0,51 mg/l	
	Sediment (marine water)	0,252 mg/kg	
	Sediment (freshwater)	2,524 mg/kg	
	Soil	0,206 mg/kg	Soil
Diethylphosphinic acid, aluminum salt	Sewage treatment plant	48,3 mg/l	
	Aquatic (freshwater)	1 mg/l	
	Aquatic (marine water)	0,1 mg/l	
2-hydroxyethyl methacrylate	Sewage treatment plant	10 mg/l	
	Aquatic (marine water)	0,048 mg/l	
	Sediment (marine water)	3,79 mg/kg	
	Soil	0,476 mg/kg	Soil
	Aquatic (freshwater)	0,482 mg/l	
	Sediment (freshwater)	3,79 mg/kg	

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Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Aquatic (freshwater)	0,002 mg/l	
	Aquatic (marine water)	0 mg/l	
	Soil	0,21 mg/kg	
	Sewage treatment plant	1 mg/l	
	Sediment (marine water)	0,11 mg/kg	
	Sediment (freshwater)	1,05 mg/kg	
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	Soil	0,006 mg/kg	
	Sewage treatment plant	10 mg/l	
	Predator	5,6 mg/kg	Oral
	Sediment (freshwater)	0,008 mg/kg	
	Aquatic (freshwater)	0,002 mg/l	
	Aquatic (marine water)	0 mg/l	
	Sediment (marine water)	0,001 mg/kg	
Diethanol-p-toluidin	Soil	0,21 mg/kg	
	Sediment (freshwater)	1,2 mg/kg	
	Sediment (marine water)	0,12 mg/kg	
	Sewage treatment plant	10 mg/l	
	Aquatic (marine water)	0,005 mg/l	
	Aquatic (freshwater)	0,048 mg/l	
2,2'-ethylenedioxydiethyl dimethacrylate	Sewage treatment plant	1,7 mg/l	
	Aquatic (freshwater)	0,016 mg/l	
	Aquatic (marine water)	0,002 mg/l	
	Sediment (freshwater)	0,185 mg/kg	
	Sediment (marine water)	0,018 mg/kg	
	Soil	0,027 mg/kg	

8.2 Exposure controls

Appropriate Engineering Controls:

Observe good industrial hygiene practices. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection:

Wear safety glasses with side shields (or goggles). Provide easy access to water supply and eye wash facilities.

Hand Protection:

Material: Neoprene.
 Break-through time: > 240 min
 Glove thickness: >= 1,1 mm
 Additional Information: Use suitable protective gloves if risk of skin contact.

Skin and Body Protection:

Wear suitable protective clothing. Chemical resistant clothing

Respiratory Protection:

In case of insufficient ventilation, wear suitable respiratory equipment. It is recommended to use respiratory equipment with combination filter, type A2/P2. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Self-contained breathing apparatus.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. Do not eat, drink or smoke when using the product. Take off contaminated clothing. Private clothes and working clothes should be kept separately.

Environmental Controls:

Do not release into the environment. Do not discharge into drains, water courses or onto the ground.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: liquid

Form: liquid

Colour: Grey

Odour: Mild petroleum/solvent

Odour Threshold: No data available.

Freezing point: No data available.

Boiling Point: No data available.

Flammability: No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: No data available.

Explosive limit - lower: No data available.

Flash Point: > 100 °C
Method: DIN 51758 (Pensky-Martens (A and B Closed Cup))

Auto-ignition temperature: No data available.

Decomposition Temperature: No data available.

pH: No data available.

Viscosity

Dynamic viscosity: No data available.

Kinematic viscosity: No data available.

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Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	Practically insoluble
Solubility (other):	No data available.
Dissolution Rate:	No data available.
Partition coefficient (n-octanol/water):	No data available.
Dispersion Stability:	No data available.
Vapour pressure:	No data available.
Relative density:	No data available.
Density:	1,20 - 1,40 g/cm ³
Bulk density:	No data available.
Relative vapour density:	No data available.

9.2 Other information

Evaporation Rate:	Slower than Ether
VOC content:	< 500 g/l 2004/42/CE & UK SI 2012/1715/IIA(j)(500)

SECTION 10: Stability and reactivity

10.1 Reactivity:	Material is stable under normal conditions.
10.2 Chemical stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Polymerisation is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers.
10.4 Conditions to avoid:	Avoid heat or contamination.
10.5 Incompatible Materials:	Avoid radical-forming starting agents, peroxides and reactive metals. Amines. Oxidising agents. Heavy metals. Reducing Agents. Acids. Bases.
10.6 Hazardous decomposition products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

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

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix, 20.261 mg/kg, Based on available data, the classification criteria are not met.

Components:

Benzyl methacrylate	LD 50, Rat, 4.450 mg/kg, 1 = reliable without restrictions, according to specific guideline, Key study LD 50, Rat, 3.980 mg/kg, 1 = reliable without restrictions, according to specific guideline, Key study LD 50, Rat, 4.820 mg/kg, 1 = reliable without restrictions, according to specific guideline, Key study LD 50, Rat, 5.000 mg/kg, 2 = reliable with restrictions, according to specific guideline, Supporting study
melamine	LD 50, Rat, 3.161 mg/kg, 2 = reliable with restrictions, Key study LD 50, Rat, 3.161 mg/kg, 2 = reliable with restrictions, according to specific guideline, Key study
Diethylphosphinic acid, aluminum salt	LD 50, Rat, > 2.000 mg/kg, 1 = reliable without restrictions, according to specific guideline
2-hydroxyethyl methacrylate	LD 50, Rat, >= 2.000 mg/kg, 1 = reliable without restrictions, according to specific guideline, Key study
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	LD 50, Rat, 3.230 mg/kg, 2 = reliable with restrictions, Key study
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	LD 50, Rat, > 2.000 mg/kg, 2 = reliable with restrictions, Supporting study

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Diethanol-p-toluidin LD 50, Rat, 619 mg/kg, 1 = reliable without restrictions, Key study

Dermal

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

Components:

Benzyl methacrylate LD 50, Rat, > 2.000 mg/kg, 2 = reliable with restrictions, according to specific guideline

Diethylphosphinic acid, aluminum salt LD 50, Rat, > 2.000 mg/kg, 1 = reliable without restrictions, according to specific guideline

2-hydroxyethyl methacrylate LD 50, Rabbit, > 5.000 mg/kg, 2 = reliable with restrictions, non-guideline study, Experimental result, Key study

Propylidynetrimethanol, ethoxylated, esters with acrylic acid LD 50, Rabbit, > 13.200 mg/kg, 2 = reliable with restrictions

Diethanol-p-toluidin LD 50, Rat, > 2.000 mg/kg, 1 = reliable without restrictions, Experimental result, Key study

2,2'-ethylenedioxydiethyl dimethacrylate LD 50, Mouse, > 2.000 mg/kg, 2 = reliable with restrictions, Experimental result, Key study

Inhalation

Product: ATEmix, 11 mg/l, Dust and mist, Based on available data, the classification criteria are not met.

Components:

melamine LC 50, Rat, > 5.190 mg/m3, Aerosol, Yes, 1 = reliable without restrictions, Aerosol, Key study

LC 50, Rat, 5.190 mg/m3, Aerosol, Yes, 1 = reliable without restrictions, Aerosol, Key study

Repeated dose toxicity

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

Components:

Benzyl methacrylate	NOAEL 500 mg/kg, Oral Read-across from supporting substance (structural analogue or surrogate), Weight of evidence NOAEL Rat, Female, Male, Oral, 2 Weeks, 500 mg/kg, Oral Experimental result, Key study NOAEL Rat, Female, Male, Oral, 103 Weeks, 200 mg/kg, Oral Experimental result, Key study NOAEL Mouse, Female, Oral, 5 d, 100 mg/kg, Oral Experimental result, Weight of evidence NOAEL 400 mg/kg, Oral Read-across from supporting substance (structural analogue or surrogate), Weight of evidence
melamine	NOAEL Rat, Male, Oral, 28 d, 240 mg/kg, Oral Experimental result, Supporting study NOAEL Rat, Female, Male, Oral, 18 Months, 1.000 mg/kg, Oral Experimental result, Weight of evidence
Diethylphosphinic acid, aluminum salt	NOAEL Rat, Female, Male, Oral, 28 d, 1.000 mg/kg, Oral Experimental result, Key study
2-hydroxyethyl methacrylate	NOAEL Rat, Female, Male, Oral, 90 d, 600 - 1.000 mg/kg, Oral Experimental result, Weight of evidence NOAEL Mouse, Female, Male, Oral, 3.000 mg/kg, Oral Experimental result, Weight of evidence NOAEL >= 213,2 mg/kg, Oral Experimental result, Supporting study NOAEL Rat, Male, Oral, 16 Weeks, 150 mg/kg, Oral Experimental result, Weight of evidence NOAEL Rat, Female, Male, Oral, 90 d, 1.000 - 1.500 mg/kg, Oral Experimental result, Weight of evidence
Propylidynetrimethanol,	NOAEL Mouse, Rat, Female, Male, Dermal, 16 d, >= 200 mg/kg,

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ethoxylated, esters with acrylic acid	Dermal Experimental result, Key study NOAEL Mouse, Rat, Female, Male, Dermal, 16 d, 25 mg/kg, Dermal Experimental result, Key study
Diethanol-p-toluidin	NOAEL Rat, Female, Male, Oral, >= 28 d, 100 mg/kg, Oral Experimental result, Key study
2,2'-ethylenedioxydiethyl dimethacrylate	NOAEL Rat, Female, Male, Oral, 5 - 6 Weeks, 1.000 mg/kg, Oral Experimental result, Key study

Skin Corrosion/Irritation

Product: Causes skin irritation.

Components:

Benzyl methacrylate	Not Classified, in vivo, Rat, 24 - 72 h, Experimental result, Weight of Evidence study
melamine	Not irritant, in vivo, Rabbit, 24 - 72 h, Experimental result, Key study
2-hydroxyethyl methacrylate	Slightly irritating, Rabbit, Not specified, Not specified
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	Not irritant, in vivo, Rabbit, 24 - 72 h, Experimental result, Supporting study
Diethanol-p-toluidin	Irritating, in vitro (validated and accepted), Human, 15 min, Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product: Causes serious eye irritation.

Components:

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Benzyl methacrylate	Not irritant, in vivo, Rabbit, 24 - 72 h, CLP (1272/2008) Not irritant, in vivo, Rabbit, 24 - 72 h, CLP (1272/2008) Not irritant, in vivo, Rabbit, 24 - 72 h, CLP (1272/2008)
melamine	Not irritant, in vivo, Rabbit, EU
2-hydroxyethyl methacrylate	Irritating, in vivo, Rabbit, 7 d
Diethanol-p-toluidin	Category 1, in vivo, Rabbit, 24 - 72 hrs, OECD GHS
2,2'-ethylenedioxydiethyl dimethacrylate	Not irritant, in vivo, Rabbit, 24 - 72 hrs, CLP (1272/2008)

Respiratory or Skin Sensitisation

Product: May cause an allergic skin reaction.

Components:

Benzyl methacrylate	Skin sensitisation:, in vivo, Mouse, Sensitising
melamine	Skin sensitisation:, in vivo, Guinea pig, Non sensitising
2-hydroxyethyl methacrylate	Skin sensitisation:, Guinea pig, Sensitising Skin sensitisation:, Human, Sensitising Skin sensitisation:, Human, ambiguous
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	Skin sensitisation:, in vivo, Guinea pig, Sensitising Skin sensitisation:, in vivo, Mouse, Sensitising
Diethanol-p-toluidin	Skin sensitisation:, in vivo, Mouse, Sensitising

2,2'-ethylenedioxydiethyl
dimethacrylate

Skin sensitisation:, in vivo, Guinea pig, Sensitising

Skin sensitisation:, in vivo, Mouse, Sensitising

Carcinogenicity

Product: Suspected of causing cancer.

Germ Cell Mutagenicity

In vitro

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

In vivo

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

Reproductive toxicity

Product: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Product: May cause respiratory irritation.

Specific Target Organ Toxicity - Repeated Exposure

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

Aspiration Hazard

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

11.2 Information on other hazards

Endocrine disrupting properties

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.;

Other information

Product: No data available.

SECTION 12: Ecological information

12.1 Toxicity:

Acute hazards to the aquatic environment:

Fish

Product:	Not classified based on available data.
Components:	
Benzyl methacrylate	LC 50, Pimephales promelas, 96 h, 4,67 mg/l Acute toxicity LC 50, Fathead minnow (Pimephales promelas), 96 h, 4,67 mg/l Flow through, Mortality LC 50, Fathead minnow (Pimephales promelas), 96 h, 4,25 - 5,13 mg/l Flow through, Mortality EC 50, Pimephales promelas, 96 h, 4,48 mg/l flow-through LC 50, Pimephales promelas, 96 h, 4,67 mg/l flow-through
melamine	LC 50, Poecilia reticulata, 96 h, > 4.400 mg/l, Experimental result, Supporting study
Diethylphosphinic acid, aluminum salt	LC 100, Danio rerio, 96 h, > 100 mg/l Static LC 50, Danio rerio, 96 h, > 100 mg/l Static LC 0, Danio rerio, 96 h, 100 mg/l Static
2-hydroxyethyl methacrylate	LC 50, Oryzias latipes, 96 h, > 100 mg/l LC 50, Pimephales promelas, 96 h, 227 mg/l flow-through LC 50, Oryzias latipes, 96 h, > 100 mg/l semi-static
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	LC 50, Danio rerio, 96 h, 0,9 mg/l semi-static LC 50, Lepomis macrochirus, 96 h, 0,97 mg/l flow-through LC 0, Danio rerio, 96 h, 0,46 mg/l semi-static LC 100, Lepomis macrochirus, 96 h, 1,64 mg/l flow-through LC 0, Lepomis macrochirus, 96 h, 0,34 mg/l flow-through
Propylidynetrimethanol, ethoxylated, esters with	LC 50, Danio rerio, 96 h, 1,95 mg/l Static, Experimental result, Key study LC 50, Danio rerio, 96 h, 1,95 mg/l Static

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acrylic acid	
Diethanol-p-toluidin	LC 50, Cyprinus carpio, 96 h, > 100 mg/lStatic, Experimental result, Key study
	LC 50, Cyprinus carpio, 96 h, > 100 mg/lStatic
2,2'-ethylenedioxydiethyl dimethacrylate	LC 50, Danio rerio, 96 h, 16,4 mg/lsemi-static, Experimental result, Key study
	LC 50, Danio rerio, 24 h, 23,1 mg/lsemi-static

Aquatic Invertebrates

Product:

Not classified based on available data.

Components:

melamine	LC 50, Daphnia magna, 48 h, > 1.000 mg/lStatic, experimental result Experimental result, Key study
Diethylphosphinic acid, aluminum salt	EC 50, Daphnia magna, 48 h, > 100 mg/lStatic, Experimental result, Key study EC 50, Daphnia magna, 24 h, > 100 mg/lStatic, Experimental result, Supporting study
2-hydroxyethyl methacrylate	EC 50, Daphnia magna, 48 h, 380 mg/lStatic, Experimental result, Key study
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	EC 50, Daphnia magna, 24 h, 20 mg/lStatic, Experimental result, Other EC 100, Daphnia magna, 24 h, 58 mg/lStatic, Experimental result, Other
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	EC 50, Daphnia magna, 48 h, 70,7 mg/lStatic, experimental result Experimental result, Key study EC 50, Daphnia magna, 48 h, 70,7 mg/lStatic, Experimental result, Key study
Diethanol-p-toluidin	EC 50, Daphnia magna, 48 h, 48 mg/lStatic, experimental result Experimental result, Key study EC 50, Daphnia magna, 48 h, 48 mg/lStatic, Experimental result, Key study

Toxicity to aquatic plants

Product:

Not classified based on available data.

Toxicity to microorganisms

Product:

Not classified based on available data.

Chronic hazards to the aquatic environment:

Fish

Product:

Not classified based on available data.

Components:

melamine	EC 50, Jordanella floridae, > 1.000 mg/l, semi-static, experimental result Experimental result, Weight of Evidence study
Diethylphosphinic acid, aluminum salt	EC 50, Danio rerio, > 100 mg/l, semi-static, experimental result NOEL, Danio rerio, 100 mg/l, semi-static, experimental result

Aquatic Invertebrates

Product:

Not classified based on available data.

Components:

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Benzyl methacrylate	EC 50, Daphnia magna, 15,3 mg/l, semi-static, experimental result
	Experimental result, Key study
	EC 50, Daphnia magna, 5,19 mg/l, semi-static, experimental result
	Experimental result, Key study
	EC 10, Daphnia magna, 1,03 mg/l, semi-static, experimental result
	Experimental result, Key study
Diethylphosphinic acid, aluminum salt	EC 10, Daphnia magna, 9,97 mg/l, semi-static, experimental result
	Experimental result, Key study
	EC 100, Daphnia magna, 26,3 mg/l, semi-static, experimental result
	Experimental result, Key study
	EC 50, Daphnia magna, 46,2 mg/l, semi-static, experimental result
	Experimental result, Key study
2-hydroxyethyl methacrylate	EC 50, Daphnia magna, 90,1 mg/l, semi-static, experimental result
	Experimental result, Key study
	LC 50, Daphnia magna, > 100 mg/l, semi-static, experimental result
	Experimental result, Key study
	EC 50, Daphnia magna, 2,2 mg/l, semi-static, experimental result
	Experimental result, Key study
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	2,2'-ethylenedioxydiethyl dimethacrylate
	LOAEL, Daphnia magna, 100 mg/l, semi-static, experimental result
	Experimental result, Key study
	EC 50, Daphnia magna, 51,9 mg/l, semi-static, experimental result
	Experimental result, Key study
	EC 10, Daphnia magna, 30,2 mg/l, semi-static, experimental result
	Experimental result, Key study
	EC 50, Daphnia magna, 51,9 mg/l, semi-static, experimental result
	Experimental result, Key study

Toxicity to microorganisms

Product: Not classified based on available data.

12.2 Persistence and degradability

Biodegradation

Product: Not classified based on available data.

Components:

Benzyl methacrylate	64 %, 12 d, Detected in water. Experimental result, Key study
	74 %, 28 d, Detected in water. Experimental result, Key study
Diethylphosphinic acid, aluminum salt	6 %, 7 d, Detected in water. Experimental result, Key study
	7 %, 28 d, Detected in water. Experimental result, Key study
2-hydroxyethyl methacrylate	1 %, 28 d, Detected in water. Experimental result, Key study
	84 %, 28 d, Detected in water. Experimental result, Supporting study
	98 %, 21 d, Detected in water. Experimental result, Supporting study
	92 - 100 %, 14 d, Detected in water. Experimental result, Key study
	86 - 87 %, 14 d, Detected in water. Experimental result, Key study

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Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	38 %, 28 d, Detected in water. Experimental result, Key study
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	58 - 61 %, 28 d, Detected in water. Experimental result, Key study
Diethanol-p-toluidin	1,5 %, 29 d, Detected in water. Experimental result, Key study
2,2'-ethylenedioxydiethyl dimethacrylate	61 %, 17 d, Detected in water. Experimental result, Key study 85 %, 28 d, Detected in water. Experimental result, Key study

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: Not classified based on available data.

Components:

Diethylphosphinic acid, aluminum salt	It is expected to be non-biodegradable and unlikely to bio-concentrate.
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Cyprinus carpio, < 9,7, Aquatic sediment Experimental result, Key study Cyprinus carpio, < 31,4, Aquatic sediment Experimental result, Key study
2,2'-ethylenedioxydiethyl dimethacrylate	16, Aquatic sediment Not specified, Other

Partition Coefficient n-octanol / water (log Kow)

Product: Not classified based on available data.

12.4 Mobility in soil:

Product Not classified based on available data.

Components:

Diethylphosphinic acid, aluminum salt	soil - Log Koc: -0,42 Koc: 0,38
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12.5 Results of PBT and vPvB assessment:

Product This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties:

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects:

Other hazards
Product:

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information:

This material and/or its container must be disposed of as hazardous waste. Dispose of waste and residues in accordance with local authority requirements.

Disposal methods:

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging:

Dispose of this material and its container to hazardous or special waste collection point. Do not puncture or incinerate even when empty. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

European Waste Codes

Unused product:

08 01 11* 15 01 10*: waste paint and varnish containing organic solvents or other dangerous substances packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

ADR

14.1 UN number or ID number:	Not Regulated.
14.2 UN proper shipping name:	Not Regulated.
14.3 Transport hazard class(es)	
Class:	Not Regulated.
Label(s):	Not Regulated.
Hazard No. (ADR):	Not Regulated.
Tunnel restriction code:	Not Regulated.
14.4 Packing group:	Not Regulated.
Limited quantity	Not Regulated.
Excepted quantity	Not Regulated.
14.5 Environmental hazards	Not Regulated.
14.6 Special precautions for user:	Not Regulated.

IMDG

14.1 UN number or ID number:	Not Regulated.
14.2 UN proper shipping name:	Not Regulated.
14.3 Transport hazard class(es)	
Class:	Not Regulated.
Label(s):	Not Regulated.
EmS No.:	Not Regulated.
14.4 Packing group:	Not Regulated.
Limited quantity	Not Regulated.
Excepted quantity	Not Regulated.
14.5 Marine pollutant	Not Regulated.
14.6 Special precautions for user:	Not Regulated.

IATA

14.1 UN number or ID number:	Not Regulated.
14.2 UN proper shipping name:	Not Regulated.
14.3 Transport hazard class(es)	
Class:	Not Regulated.
Label(s):	Not Regulated.
14.4 Packing group:	Not Regulated.
Passenger and cargo aircraft :	Not Regulated.
Limited quantity	Not Regulated.
Excepted quantity	Not Regulated.
14.5 Environmental hazards	Not Regulated.
14.6 Special precautions for user:	Not Regulated.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

UK. REACH, Annex XIV, Substances Subject to Authorization (Authorization List), as amended: None present or none present in regulated quantities.

UK. UK REACH Candidate List of substances of very high concern (SVHCs) for Authorisation: None present or none present in regulated quantities.

UK. Great Britain Assimilated Regulation (EU) 2019/1021 on Persistent Organic Pollutants, as amended: None present or none present in regulated quantities.

Regulation 2024/590/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: None present or none present in regulated quantities.

Regulation 2024/590/EC on substances that deplete the ozone layer, Annex II, New Substances: None present or none present in regulated quantities.

UK EXP1: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP2: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP3: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK BAN: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK REACH List of restrictions (Annex 17):

Chemical name	CAS-No.	Number on list
Benzyl methacrylate	2495-37-6	3
melamine	108-78-1	3
2-hydroxyethyl methacrylate	868-77-9	3

Control of Major Accident Hazards Regulations 2015 (COMAH): None present or none present in regulated quantities.

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Date of first report version: 07.05.2025

Revision Date: 14.01.2026

Version #: 5.0

Abbreviations and acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic

substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Notes:

Note A	Without prejudice to Article 17(2), the name of the substance must appear on the label in the form of one of the designations given in Part 3. In Part 3, use is sometimes made of a general description such as '...compounds' or '...salts'. In this case, the supplier is required to state on the label the correct name, due account being taken to Paragraph 1.1.1.4.
Note D	Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

Key literature references and sources for data: No data available.

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

Classification	Classification procedure
Skin irritation, Category 2	Calculation method
Serious eye irritation, Category 2	On basis of test data
Skin sensitiser, Category 1	On basis of test data
Carcinogenicity, Category 2	On basis of test data
Reproductive toxicity, Category 2	Expert judgement
Specific Target Organ Toxicity - Single Exposure, Category 3	Calculation method
Chronic hazards to the aquatic environment, Category 3	On basis of test data
Very persistent and very mobile, Classified	

Full text of H-Statements

EUH451	Can cause very long-lasting and diffuse contamination of water resources
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

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H351	Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Training information: No data available.

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.