

## SAFETY DATA SHEET

# RESION EP Scratch Coat Hardener

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

### 1.1. Product identifier

**Trade name**

RESION EP Scratch Coat Hardener

**Product no.**

FS311

**Unique formula identifier (UFI)**

V170-80Y5-X009-X5HX

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

**Relevant identified uses of the substance or mixture**

Epoxy binder

**Uses advised against**

None known.

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

**Company and address**

**Polyestershoppen BV**

Oostbaan 680  
2841 ML Moordrecht  
Netherlands  
+31 85 0220090

**Contact person**

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**E-mail**

info@polyestershoppen.nl

**Revision**

06/07/2023

**SDS Version**

1.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

## SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### 2.1. Classification of the substance or mixture

Acute Tox. 4; H302, Harmful if swallowed.

Skin Corr. 1B; H314, Causes severe skin burns and eye damage.

Skin Sens. 1; H317, May cause an allergic skin reaction.

Eye Dam. 1; H318, Causes serious eye damage.

Acute Tox. 4; H332, Harmful if inhaled.

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

**Hazard pictogram(s)**



**Signal word**  
Danger

**Hazard statement(s)**  
Harmful if swallowed or if inhaled. (H302+H332)  
Causes severe skin burns and eye damage. (H314)  
May cause an allergic skin reaction. (H317)  
Harmful to aquatic life with long lasting effects. (H412)

**Precautionary statement(s)**

**General**

If medical advice is needed, have product container or label at hand. (P101)  
Keep out of reach of children. (P102)

**Prevention**

Do not breathe vapour/mist. (P260)  
Wear eye protection/protective gloves. (P280)

**Response**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

**Storage**

Store locked up. (P405)

**Disposal**

Dispose of contents/container in accordance with in accordance with local regulation (P501)

**Hazardous substances**

benzyl alcohol  
3-aminomethyl-3,5,5-trimethylcyclohexylamine  
m-phenylenebis(methylamine)

**Additional labelling**

UFI: V170-80Y5-X009-X5HX

**2.3. Other hazards**

**Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### SECTION 3: Composition/information on ingredients

**3.1. Substances**

Not applicable. This product is a mixture.

**3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
benzyl alcohol	CAS No.: 100-51-6 EC No.: 202-859-9 UK-REACH: Index No.: 603-057-00-5	50-70%	Acute Tox. 4, H302 Acute Tox. 4, H332	[9]
3-aminomethyl-3,5,5-trimethylcyclohexylamine	CAS No.: 2855-13-2 EC No.: 220-666-8 UK-REACH: Index No.: 612-067-00-9	30-50%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412	

m-phenylenebis(methylamine)	CAS No.: 1477-55-0 EC No.: 216-032-5 UK-REACH: Index No.:	10-30%	Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Acute Tox. 4, H332 Aquatic Chronic 3, H412
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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

[9] Identified by EU as one of 26 specific fragrance ingredients, known to cause allergic contact dermatitis (Regulation (EC) No 1223/2009 on cosmetic products)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Skin contact

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment. Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.

#### Eye contact

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Burns

Not applicable.

### 4.2. Most important symptoms and effects, both acute and delayed

**Sensitisation:** This product contains substances, which may trigger allergic reaction upon dermal contact.

**Manifestation of allergic reactions** typically takes place within 12-72 hours after exposure.

**Tissue-damaging effects:** This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

### 4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO<sub>x</sub>)

Carbon oxides (CO / CO<sub>2</sub>)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

Avoid inhalation of vapours from spilled material.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

### 6.3. Methods and material for containment and cleaning up

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.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

The product should be tested for peroxides before distillation or evaporation and tested for peroxide formation or discarded after 1 year.

Peroxide formation may be present anywhere in the container, including the sides, bottom, exterior and threaded cap. Peroxide formation in ppm concentrations may not be visually observable and must be identified through the use of appropriate testing procedures. If any of the following conditions exist, the material may be explosively unstable and will require stabilization prior to use:

1. Material appears to be degraded and or contaminated.
2. Material appears to be discolored.
3. Deterioration or distortion of storage container.
4. Thermal shock (sunlight).
5. Age of material exceeds recommended storage time.

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

### Recommended storage material

Keep only in original packaging.

### Storage temperature

Dry, cool and well ventilated

### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### DNEL

benzyl alcohol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	9.5 mg/kg
Short term – Systemic effects - Workers	Dermal	47 mg/kg
Long term – Systemic effects - General population	Oral	5 mg/kg
Short term – Systemic effects - General population	Oral	25 mg/kg

m-phenylenebis(methylamine)

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	330 µg/kgbw/day
Long term – Local effects - Workers	Inhalation	200 µg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	1.2 mg/m <sup>3</sup>

#### PNEC

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0.06 mg/l
Freshwater sediment		5.784 mg/kg
Marine water		.006 mg/l
Marine water sediment		0.578 mg/kg
Soil		1.121 mg/kg

benzyl alcohol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1 mg/l
Freshwater sediment		5.27 mg/kg
Marine water		0.1 mg/l
Marine water sediment		0.527 mg/kg
Soil		0.456 mg/kg

m-phenylenebis(methylamine)

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		94 µg/L
Freshwater sediment		12.4 mg/kg
Intermittent release (freshwater)		152 µg/L
Marine water		9.4 µg/L

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Marine water sediment	1.24 mg/kg
Sewage treatment plant	10 mg/L
Soil	2.44 mg/kg

### 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

#### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

#### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

### Individual protection measures, such as personal protective equipment

#### Generally

Use only UKCA marked protective equipment.

#### Respiratory Equipment

Type	Class	Colour	Standards
Respiratory protection is not needed in the event of adequate ventilation	-	-	-
A	Class 2 (medium capacity)	Brown	EN14387



#### Skin protection

Recommended	Type/Category	Standards
No special when used as intended	-	-

#### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.4	> 480	EN374-2, EN374-3, EN388



#### Eye protection

Type	Standards
Safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

### Physical state

Liquid

### Colour

Pale yellow

### Odour / Odour threshold

Characteristic

### pH

No data available

### Density (g/cm<sup>3</sup>)

1 (20 °C)

### Kinematic viscosity

300 (20 °C)

### Particle characteristics

Does not apply to liquids.

## Phase changes

### Melting point/Freezing point (°C)

No data available

### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

### Boiling point (°C)

>190

### Vapour pressure

No data available

### Relative vapour density

No data available

### Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

## Data on fire and explosion hazards

### Flash point (°C)

>100

### Flammability (°C)

No data available

### Auto-ignition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

### Lower and upper explosion limit (% v/v)

No data available

## Solubility

### Solubility in water

Testing not relevant or not possible due to the nature of the product.

### n-octanol/water coefficient

Testing not relevant or not possible due to the nature of the product.

### Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

## 9.2. Other information

### Other physical and chemical parameters

No data available.

### Oxidizing properties

No data available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

#### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

### SECTION 11: Toxicological information

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

##### Acute toxicity

Product/substance	benzyl alcohol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1620 mg/kg

Product/substance	benzyl alcohol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	> 4178 mg/m <sup>3</sup>

Product/substance	3-aminomethyl-3,5,5-trimethylcyclohexylamine
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1030 mg/kg

Product/substance	m-phenylenebis(methylamine)
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	930 mg/kg

Product/substance	m-phenylenebis(methylamine)
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>3100 mg/kg

Product/substance	m-phenylenebis(methylamine)
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	1.34 mg/L

Harmful if swallowed.  
Harmful if inhaled.



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

### Skin corrosion/irritation

Product/substance	3-aminomethyl-3,5,5-trimethylcyclohexylamine
Species:	Rabbit
Duration:	No data available.
Result:	Adverse effect observed (Corrosive)

Product/substance	m-phenylenebis(methylamine)
Species:	
Duration:	
Result:	Adverse effect observed (Corrosive)

Causes severe skin burns and eye damage.

### Serious eye damage/irritation

Product/substance	benzyl alcohol
Species:	
Duration:	No data available.
Result:	Adverse effect observed (Irritating)

Product/substance	3-aminomethyl-3,5,5-trimethylcyclohexylamine
Species:	Rabbit
Duration:	No data available.
Result:	Adverse effect observed (Corrosive)

Product/substance	m-phenylenebis(methylamine)
Species:	
Duration:	
Result:	Adverse effect observed (Corrosive)

Causes serious eye damage.

### Respiratory sensitisation

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

### Skin sensitisation

May cause an allergic skin reaction.

### Germ cell mutagenicity

Product/substance	benzyl alcohol
Test method:	OECD 476
Species:	Bacteria
Conclusion:	Adverse effect observed

Product/substance	benzyl alcohol
Test method:	OECD 474
Species:	Bacteria
Conclusion:	No adverse effect observed

Product/substance	m-phenylenebis(methylamine)
Species:	
Conclusion:	No adverse effect observed

### Carcinogenicity

Product/substance	m-phenylenebis(methylamine)
Species:	
Route of exposure:	
Target organ:	
Duration:	
Test:	
Result:	
Conclusion:	No adverse effect observed

### Reproductive toxicity

Product/substance	benzyl alcohol
Species:	Mouse
Duration:	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test:  
Result: Oral - Positive 750 mg/kg - Notes: 192h  
Conclusion:

Product/substance: benzyl alcohol  
Species: Mouse  
Duration:  
Test:  
Result: Oral - Negative 550 mg/kg - Notes: 240h  
Conclusion:

### STOT-single exposure

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

### STOT-repeated exposure

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

### Aspiration hazard

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

## 11.2. Information on other hazards

### Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

### Endocrine disrupting properties

Not applicable.

### Other information

None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance: benzyl alcohol  
Species: Daphnia  
Duration: 48 hours  
Test: EC50  
Result: 230 mg/L

Product/substance: benzyl alcohol  
Species: Algae  
Duration: 72 hours  
Test:  
Result: 700 mg/L

Product/substance: benzyl alcohol  
Species: Fish  
Duration: 96 hours  
Test: LC50  
Result: 460 mg/L

Product/substance: benzyl alcohol  
Species: Bacteria  
Duration: 24 hours  
Test: EC50  
Result: 390 mg/L

Product/substance: 3-aminomethyl-3,5,5-trimethylcyclohexylamine  
Species: Fish  
Duration: 96 hours  
Test: LC50  
Result: 110 mg/L

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	3-aminomethyl-3,5,5-trimethylcyclohexylamine
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	23 mg/L

Product/substance	3-aminomethyl-3,5,5-trimethylcyclohexylamine
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>50 mg/L

Product/substance	3-aminomethyl-3,5,5-trimethylcyclohexylamine
Species:	Daphnia
Duration:	21 days
Test:	NOEC
Result:	3 mg/L

Product/substance	m-phenylenebis(methylamine)
Test method:	OECD 202
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	15.2 mg/L

Product/substance	m-phenylenebis(methylamine)
Test method:	OECD 201
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	20.3 mg/L

Product/substance	m-phenylenebis(methylamine)
Test method:	OECD 211
Species:	Daphnia
Duration:	
Test:	NOEC
Result:	4.7 mg/L

Product/substance	m-phenylenebis(methylamine)
Test method:	OECD 201
Species:	Algae
Duration:	72 hours
Test:	NOEC
Result:	10.5 mg/L

## 12.2. Persistence and degradability

Product/substance	benzyl alcohol
Biodegradable:	Yes
Test method:	
Result:	

Product/substance	3-aminomethyl-3,5,5-trimethylcyclohexylamine
Biodegradable:	No
Test method:	
Result:	

## 12.3. Bioaccumulative potential

Product/substance	benzyl alcohol
Test method:	
Potential bioaccumulation:	Yes
LogPow:	No data available.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

BCF: 1.37  
Other information:

Product/substance 3-aminomethyl-3,5,5-trimethylcyclohexylamine  
Test method:  
Potential bioaccumulation: No  
LogPow: 0,99  
BCF: No data available.  
Other information:

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. Endocrine disrupting properties

Not applicable.

#### 12.7. Other adverse effects

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 6 - Acute toxicity

HP 8 - Corrosive

HP 13 - Sensitising

HP 14 - Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

#### EWC code

Not applicable.

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es) Label: 8 Classification code: C7	14.4 PG*	14.5 Env**	Other information:
ADR	2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5- trimethylcyclohexylamine)	Transport hazard class: 8 Label: 8 Classification code: C7	III	No	Limited quantities: 5 L Tunnel restriction code: 3 (E) See below for additional information.
IMDG	2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5- trimethylcyclohexylamine)	Transport hazard class: 8 Label: 8 Classification code: C7	III	No	Limited quantities: 5 L EmS: F-A S-B See below for additional information.
IATA	2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5- trimethylcyclohexylamine)	Transport hazard class: 8 Label: 8	III	No	See below for additional

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
	trimethylcyclohexylamine)	Classification code: C7			information.

\* Packing group

\*\* Environmental hazards

#### Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available.

## SECTION 15: Regulatory information

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

#### Restrictions for application

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

#### Demands for specific education

No specific requirements.

#### SEVESO - Categories / dangerous substances

Not applicable.

#### Additional information

Tactile warning.

If this product is sold in retail, it must be delivered with child-resistant fastening.

#### Sources

The Management of Health and Safety at Work Regulations 1999.

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H312, Harmful in contact with skin.

H314, Causes severe skin burns and eye damage.

H317, May cause an allergic skin reaction.

H332, Harmful if inhaled.

H412, Harmful to aquatic life with long lasting effects.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne (European conformity)  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### The safety data sheet is validated by

H.A.B.

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en