

## SAFETY DATA SHEET

# RESION EP Food Safe HV Hardener

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

### 1.1. Product identifier

**Trade name**

RESION EP Food Safe HV Hardener

**Product no.**

EP215

▼ **Unique formula identifier (UFI)**

TH30-H0NW-D000-T5N9

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

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

Curing agent for resins

**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**

-

**E-mail**

info@polyestershoppen.nl

**Revision**

20/12/2024

**SDS Version**

4.0

**Date of previous version**

13/12/2023 (3.0)

### 1.4. ▼ Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 112 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour 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/protective clothing. (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 local regulation (P501)

### Hazardous substances

benzyl alcohol  
3-aminomethyl-3,5,5-trimethylcyclohexylamine

### Additional labelling

UFI: TH30-H0NW-D000-T5N9

## 2.3. Other hazards

### ▼ Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.  
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) 2023/707.

## 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<br>EC No.: 202-859-9 | 60-80% | Acute Tox. 4, H302<br>Acute Tox. 4, H332 |      |

|  |   |        |  |
|--|---|--------|--|
|  | UK-REACH:<br>Index No.: 603-057-00-5  |        |  |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine | CAS No.: 2855-13-2<br>EC No.: 220-666-8<br>UK-REACH:<br>Index No.: 612-067-00-9 | 40-60% | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Skin Corr. 1B, H314<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

-

## 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.

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

Contaminated areas may be slippery.

#### 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.

Avoid direct contact with the product.

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.

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.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage conditions

Adequately ventilated premises

#### 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  |

#### 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 |

### 8.2. ▼ Exposure controls

Apply general control to prevent unnecessary exposure

#### 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

Ensure that eyewash stations and safety showers are located within easy reach.  
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. Pay special attention to 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 | -     | -      | -         |


#### Skin protection

| Recommended                            | Type/Category | Standards |
|--|---------------|-----------|
| Dedicated work clothing should be worn | -             | -         |




#### 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

Ammonia odor

### ▼ pH

No relevant or available data due to the nature of the product.

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

1.07

### ▼ Kinematic viscosity

No relevant or available data due to the nature of the product.

### Particle characteristics

Does not apply to liquids.

### Phase changes

#### ▼ Melting point/Freezing point (°C)

No relevant or available data due to the nature of the product.

#### Softening point/range (°C)

Does not apply to liquids.

#### Boiling point (°C)

>190

#### ▼ Vapour pressure

No relevant or available data due to the nature of the product.

#### ▼ Relative vapour density

No relevant or available data due to the nature of the product.

#### ▼ Decomposition temperature (°C)

No relevant or available data due to the nature of the product.

### Data on fire and explosion hazards

#### Flash point (°C)

104

#### ▼ Flammability (°C)

No relevant or available data due to the nature of the product.

#### ▼ Auto-ignition temperature (°C)

No relevant or available data due to the nature of the product.

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

No relevant or available data due to the nature of the product.

### Solubility

#### Solubility in water

Completely soluble

#### ▼ n-octanol/water coefficient (LogKow)

No relevant or available data due to the nature of the product.

#### ▼ Solubility in fat (g/L)

No relevant or available data due to the nature of the product.

### 9.2. Other information

#### Other physical and chemical parameters

No data available.

#### ▼ Oxidizing properties

No relevant or available data due to the nature of the product.

## 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

None known.

### 10.5. Incompatible materials

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

### 10.6. Hazardous decomposition products

Thermal decomposition may produce corrosive vapours.

### 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                                   |

Harmful if swallowed.  
Harmful if inhaled.

##### ▼ Skin corrosion/irritation

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

Causes severe skin burns and eye damage.

##### ▼ Serious eye damage/irritation

|                   |                                      |
|-------------------|--------------------------------------|
| Product/substance | benzyl alcohol                       |
| 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)          |

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 |

##### Carcinogenicity



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

### Reproductive toxicity

|                   |   |
|-------------------|---|
| Product/substance | benzyl alcohol                          |
| Species:          | Mouse                                   |
| Result:           | Oral - Positive 750 mg/kg - Notes: 192h |

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

### 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

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

### 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       |
| 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

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

Harmful to aquatic life with long lasting effects.

### 12.2. ▼ Persistence and degradability

Product/substance: benzyl alcohol  
 Conclusion: Readily biodegradable

Product/substance: 3-aminomethyl-3,5,5-trimethylcyclohexylamine  
 Conclusion: Not biodegradable

### 12.3. ▼ Bioaccumulative potential

Product/substance: benzyl alcohol  
 BCF: 1.37  
 Conclusion: Potential for bioaccumulation

Product/substance: 3-aminomethyl-3,5,5-trimethylcyclohexylamine  
 LogKow: 0,99  
 Conclusion: No potential for bioaccumulation

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

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

\* Packing group

\*\* Environmental hazards

### ▼ Additional information

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

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.

### 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.

### 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.

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

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

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

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 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