

# FIREPRO® High Expansion Intumescent Sealant

Revision Date: 13.10.2023  
Revision No: Version 3.0 September 2023 (EU)  
Previous Version: Version 2.0 March 2023 (EU)

## Section 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

|                 |                                    |
|-----------------|------------------------------------|
| Product form    | Mixture                            |
| Trade name      | High Expansion Intumescent Sealant |
| UFI             | ESQE-DCEA-Y00H-7W2D                |
| Type of product | Adhesives, Sealants                |
| Product group   | Trade product                      |

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

#### 1.2.1 Relevant identified uses

|                                       |                           |
|---------------------------------------|---------------------------|
| Main use category                     | Professional use          |
| Industrial /<br>Professional use spec | For professional use only |
| Use of substance/mixture              | Adhesives, sealants       |

#### 1.2.2 Uses advised against

No additional information available

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

|              |  |
|--------------|--|
| Manufacturer | ROCKWOOL Ltd, Pencoed, Bridgend, CF35 6NY<br>Tel: +44 (0) 1656 862621 Email: sds@rockwool.com          |
| Importer:    | ROCKWOOL A/S Hovedgaden 501, DK-2640 Hedehusene, Denmark<br>Tel: +45 4656 1616 Email: info@rockwool.dk |

### 1.4 Emergency telephone numbers

|  |
|--|
| ROCKWOOL Ltd (Within GB/Ireland only)            |
| Language: English                                |
| Customer Support: 9am-5pm                        |
| Tel: +44 (0) 1656 862621 Email: sds@rockwool.com |
| ROCKWOOL A/S (Within EU only)                    |
| Language: English/Danish                         |
| Customer Support: Office hours only              |
| Tel: +45 4656 1616 Email: info@rockwool.dk       |

## Section 2. Hazards identification



### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

|   |  |
|---|--|
| Serious eye damage/eye irritation                               | Category 2 H319  |
| Carcinogenicity   | Category 2 H351  |
| Reproductive toxicity   | Category 2 H361  |
| Hazardous to the aquatic environment                            | Chronic Hazard, Category 3 H412  |
| Full text of H- and EUH-statements                              | See section 16   |
| Adverse physicochemical, human health and environmental effects | Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes serious eye irritation. Harmful to aquatic life with long lasting effects |

### 2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

|                                |  |   |   |
|--------------------------------|--|---|---|
| Hazard pictograms (CLP)        | GHS07 GHS08  |  |  |
| Signal word (CLP)              | Warning  | GHS07   | GHS08   |
| Hazardous ingredients          | Melamine   |   |   |
| Hazard statements (CLP)        | H319 - Causes serious eye irritation<br>H351 - Suspected of causing cancer<br>H361 - Suspected of damaging fertility or the unborn child<br>H412 - Harmful to aquatic life with long lasting effects   |   |   |
| Precautionary statements (CLP) | P201 - Obtain special instructions before use<br>P280 - Wear protective clothing, eye protection, face protection<br>P308+P313 - If exposed or concerned: Get medical advice/ attention<br>P337+P313 - If eye irritation persists: Get medical advice/ attention |   |   |
| EUH-statements                 | EUH208 - Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction  |   |   |

### 2.3 Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1%

## Section 3. Composition / information on ingredients

3.1 Substances Not applicable

3.2 Mixtures

| Name  | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|---|---------|---|
| Aluminium Hydroxide   | (CAS-No.) 21645-51-2<br>(EC-No.) 244-492-7<br>(REACH-no) 01-2119529246-39 | 10 – 30 | Not classified  |
| Melamine  | (CAS-No.) 108-78-1<br>(EC-No.) 203-615-4                                  | 1 – 10  | Carc. 2, H351<br>Repr. 2 H361<br>STOT RE 2, H373  |
| Cellulose substance with a Community workplace exposure limit                                 |   | 1 – 10  | Not classified  |
| Alkylphenol polypropylene glycol ether  | (CAS-No.) 9064-15-7<br>(EC-No.) 696-008-2                                 | 1 – 10  | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411  |
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one                                      | (CAS-No.) 2634-33-5<br>(EC-No.) 220-120-9<br>(EC Index-No.) 613-088-00-6  | 0.008   | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 (M=1)   |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | (CAS-No.) 55965-84-9<br>(EC Index-No.) 613-167-00-5                       | 0.001   | Acute Tox. 2 (Inhalation), H330<br>Acute Tox. 2 (Dermal), H310<br>Acute Tox. 3 (Oral), H301<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100) |

### Specific concentration limits

|   |  |   |
|---|--|---|
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one                                      | (CAS-No.) 2634-33-5<br>(EC-No.) 220-120-9<br>(EC Index-No.) 613-088-00-6 | ( 0.05 ≤ C ≤ 100) Skin Sens. 1, H317  |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | (CAS-No.) 55965-84-9<br>(EC Index-No.) 613-167-00-5                      | ( 0.0015 ≤ C ≤ 100) Skin Sens. 1A, H317<br>( 0.06 ≤ C < 0.6) Skin Irrit. 2, H315<br>( 0.06 ≤ C < 0.6) Eye Irrit. 2, H319<br>( 0.6 ≤ C ≤ 100) Skin Corr. 1C, H314<br>( 0.6 ≤ C ≤ 100) Eye Dam. 1, H318 |

Full text of H- and EUH-statements: see section 16

## Section 4. First-aid measures

### 4.1 Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | If exposed or concerned, get medical advice/attention   |
| First-aid measures after inhalation   | Remove person to fresh air and keep comfortable for breathing   |
| First-aid measures after skin contact | Wash skin with plenty of water  |
| First-aid measures after eye contact  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention |
| First-aid measures after ingestion    | Call a poison center or doctor if you feel unwell   |

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

|                                    |                |
|------------------------------------|----------------|
| Symptoms/effects after eye contact | Eye irritation |
|------------------------------------|----------------|

|  |                       |
|--|-----------------------|
| 4.3 Indication of any immediate medical attention and special treatment needed | Treat symptomatically |
|--|-----------------------|

## Section 5. Firefighting measures

### 5.1 Extinguishing media

|                              |   |
|------------------------------|---|
| Suitable extinguishing media | Water spray. Dry powder. Foam. Carbon dioxide |
|------------------------------|---|

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

|  |                             |
|--|-----------------------------|
| Hazardous decomposition products in case of fire | Toxic fumes may be released |
|--|-----------------------------|

### 5.3 Advice for firefighters

|                                |   |
|--------------------------------|---|
| Protection during firefighting | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing |
|--------------------------------|---|

## Section 6. Accidental release measures

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

#### 6.1.1 For non-emergency personnel

Emergency procedures      Ventilate spillage area. Avoid contact with skin and eyes

#### 6.1.2 For emergency responders

Protective equipment      Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection"

6.2 Environmental precautions      Avoid release to the environment. Do not allow to enter drains or water courses. Toxic to aquatic life with long lasting effects

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

Methods for cleaning up      Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters

Other information      Dispose of materials or solid residues at an authorised site

6.4 Reference to other sections      For further information refer to section 8: "Exposure controls/personal protection." For further information refer to section 13

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

Precautions for safe handling      Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes

Hygiene measures      Do not eat, drink or smoke when using this product. Always wash hands after handling the product

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

Storage conditions      Store locked up. Store in a well-ventilated place. Keep cool

7.3 Specific end use(s)      No additional data available

## Section 8. Exposure controls / personal protection

### 8.1 Control parameters

#### 8.1.1 National occupational exposure and biological limit values

#### Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)

##### Austria - Occupational Exposure Limits

|                      |   |
|----------------------|---|
| Local name           | 5-Chlor-2-methyl-2,3-dihydroisothiazol-3-on und 2-Methyl-2,3-dihydroisothiazol-3-on (Gemisch im Verhältnis 3:1) |
| MAK (OEL TWA)        | 0.05 mg/m <sup>3</sup>  |
| Remark               | Sh  |
| Regulatory reference | BGBl. II Nr. 238/2018   |

##### Switzerland - Occupational Exposure Limits

|                      |  |
|----------------------|--|
| Local name           | 2,3-Dihydro-isothiazol-3-one de 5-chloro-2-méthyle et 2,3-dihydro-isothiazol-3-one de 2-méthyle [2,3-Dihydro-isothiazol-3-one de 5-chloro-2-méthyle, 2,3-Dihydro-isothiazol-3-one de 2-méthyle] / 5-Chlor-2-methyl-2,3-dihydroisothiazol-3-on und 2-Methyl-2,3-dihydroisothiazol-3-on [2-Methyl-2,3-dihydroisothiazol-3-on, 5-Chlor-2-methyl-2,3-dihydroisothiazol-3-on] |
| MAK (OEL TWA) [1]    | 0.2 mg/m <sup>3</sup> (i) / (e)  |
| KZGW (OEL STEL)      | 0.4 mg/m <sup>3</sup> (i) / (e)  |
| Critical toxicity    | VRS, Peau, Yeux / OAW, Haut, Auge  |
| Notation             | S, SS <sub>c</sub> / S, SS <sub>c</sub>  |
| Regulatory reference | www.suva.ch, 01.01.2021  |

#### Cellulose

##### EU - Indicative Occupational Exposure Limit (IOEL)

|          |   |
|----------|---|
| IOEL TWA | 6 mg/m <sup>3</sup> General dust limiting value |
|----------|---|

##### Germany - Occupational Exposure Limits (TRGS 900)

|                   |                     |
|-------------------|---------------------|
| AGW (OEL TWA) [1] | 6 mg/m <sup>3</sup> |
|-------------------|---------------------|

#### Aluminium Hydroxide (21645-51-2)

##### Austria - Occupational Exposure Limits

|                      |  |
|----------------------|--|
| Local name           | Aluminiumhydroxid                        |
| MAK (OEL TWA)        | 5 mg/m <sup>3</sup> (A)                  |
| MAK (OEL STEL)       | 10 mg/m <sup>3</sup> (A, 2x 60(Miw) min) |
| Regulatory reference | BGBl. II Nr. 238/2018                    |

| Aluminium Hydroxide (21645-51-2)                     |   |
|--|---|
| <b>Latvia - Occupational Exposure Limits</b>         |   |
| Local name   | Alumīnija hidroksīds  |
| OEL TWA  | 6 mg/m <sup>3</sup>   |
| Regulatory reference                                 | Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2011. gada 1. februārī noteikumiem Nr. 92)  |
| <b>Lithuania - Occupational Exposure Limits</b>      |   |
| Local name   | Aliuminio hidroksidas   |
| IPRV (OEL TWA)                                       | 6 mg/m <sup>3</sup>   |
| Remark   | F (fibrogeninis poveikis)   |
| Regulatory reference                                 | LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)   |
| <b>Poland - Occupational Exposure Limits</b>         |   |
| Local name   | Wodorotlenek glinu  |
| NDS (OEL TWA)  | 1.2 mg/m <sup>3</sup> w przeliczeniu na Al: frakcja respirabilna<br>2.5 mg/m <sup>3</sup> w przeliczeniu na Al: frakcja wdychalna   |
| Remark   | Frakcja wdychalna – frakcja aerozolu wnikaćca przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia.<br>Frakcja respirabilna – frakcja aerozolu wnikaćca do dróg oddechowych, która stwarza zagrożenie dla zdrowia po zdeponowaniu w obszarze wymiany gazowej. |
| Regulatory reference                                 | Dz. U. 2018 poz. 1286   |
| <b>Slovakia - Occupational Exposure Limits</b>       |   |
| Local name   | Hydroxid hlinitý  |
| NPHV (OEL TWA) [1]                                   | 4 mg/m <sup>3</sup> inhalovatelná frakcia – prach<br>1.5 mg/m <sup>3</sup> respirabilná frakcia – prach   |
| Regulatory reference                                 | Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)   |
| <b>United Kingdom - Occupational Exposure Limits</b> |   |
| WEL TWA (OEL TWA) [1]                                | 10 mg/m <sup>3</sup> total dust<br>4 mg/m <sup>3</sup> respirable dust  |
| <b>Switzerland - Occupational Exposure Limits</b>    |   |
| Local name   | Aluminium hydroxyde / Aluminiumhydroxid   |
| MAK (OEL TWA) [1]                                    | 3 mg/m <sup>3</sup> (a) / (a)   |
| Critical toxicity                                    | Formel / Formal   |
| Notation   | B / B   |
| Remark   | NIOSH   |
| Regulatory reference                                 | www.suva.ch, 28.03.2022   |




**Aluminium Hydroxide (21645-51-2)**

**Switzerland - BAT**

|                      |  |
|----------------------|--|
| Local name           | Aluminium hydroxyde / Aluminiumhydroxid  |
| BAT                  | 50 µg/g creatinine (0.21 µmol/mmol cr.; Paramètre biologique: Aluminium; Substrat d'examen: Urine; Moment du prélèvement: Exposition de longue durée: après plusieurs périodes de travail.) / (0.21 µmol/mmol cr.; Biologischer Parameter: Aluminium; Untersuchungsmaterial: Urin; Probennahmezeitpunkt: Bei Langzeitexposition: nach mehreren vorangegangenen Schichten.) |
| Regulatory reference | Ordonnance 832.30 (OPA), article 50 al. 3, <a href="http://www.suva.ch/valeurs-limites/">www.suva.ch/valeurs-limites/</a> / Verordnung 832.30 (VUV), Art. 50 Abs. 3, <a href="http://www.suva.ch/grenzwerte">www.suva.ch/grenzwerte</a>  |

|       |                                   |                                     |
|-------|-----------------------------------|-------------------------------------|
| 8.1.2 | Recommended monitoring procedures | No additional information available |
| 8.1.3 | Air contaminants formed           | No additional information available |
| 8.1.4 | DNEL and PNEC                     | No additional information available |
| 8.1.5 | Control banding                   | No additional information available |

**8.2 Exposure controls**

|       |   |  |
|-------|---|--|
| 8.2.1 | Appropriate engineering controls        | Ensure good ventilation of the work station  |
| 8.2.2 | Personal Protective Equipment           | Dust formation: Dust mask. Gloves  |
|       | Personal protective equipment symbol(s) |  |

|         |                         |                |
|---------|-------------------------|----------------|
| 8.2.2.1 | Eye and face protection | Eye protection |
|---------|-------------------------|----------------|

**Eye protection**

| Type           | Field of application | Characteristics | Standard |
|----------------|----------------------|-----------------|----------|
| Safety glasses |                      |                 | EN 166   |

|                          |                                   |
|--------------------------|-----------------------------------|
| 8.2.2.2 Skin protection  |                                   |
| Skin and body protection | Wear suitable protective clothing |
| Hand protection          | Protective gloves                 |

| Hand protection   |  |                  |                |             |              |
|-------------------|--|------------------|----------------|-------------|--------------|
| Type              | Material   | Permeation       | Thickness (mm) | Penetration | Standard     |
| Disposable gloves | Vinyl, Nitrile rubber (NBR), Chloroprene rubber (CR) | 2 (> 30 minutes) |                |             | EN ISO 374-1 |

|                                       |  |
|---------------------------------------|--|
| 8.2.2.3 Respiratory protection        |  |
| Respiratory protection                | In case of insufficient ventilation, wear suitable respiratory equipment |
| 8.2.2.4 Thermal hazards               | No additional information available                                      |
| 8.2.3 Environmental exposure controls |  |
| Environmental exposure controls       | Avoid release to the environment   |

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |                |
|---|----------------|
| Physical state                                  | Liquid         |
| Colour  | Grey           |
| Appearance                                      | Paste          |
| Odour   | Not available  |
| Odour threshold                                 | Not available  |
| Melting point                                   | Not applicable |
| Freezing point                                  | Not available  |
| Boiling point                                   | Not available  |
| Flammability                                    | Non flammable  |
| Explosive limits                                | Not available  |
| Lower explosion limit                           | Not available  |
| Upper explosion limit                           | Not available  |
| Flash point                                     | Not available  |
| Auto-ignition temperature                       | Not available  |
| Decomposition temperature                       | Not available  |
| pH  | 5-9            |
| Viscosity, kinematic                            | Not available  |
| Solubility                                      | Not available  |
| Partition coefficient n-octanol/water (Log Pow) | Not available  |
| Vapour pressure                                 | Not available  |
| Vapour pressure at 50°C                         | Not available  |
| Density   | Not available  |
| Relative density                                | 1.3-1.4        |
| Relative vapour density at 20°C                 | Not available  |
| Particle characteristics                        | Not applicable |

### 9.2 Other information

|  |                                     |
|--|-------------------------------------|
| 9.2.1 Information with regard to physical hazard classes | No additional information available |
| 9.2.2 Other safety characteristics                       | No additional information available |

## Section 10. Stability and reactivity

|      |                                    |   |
|------|------------------------------------|---|
| 10.1 | Reactivity                         | The product is non-reactive under normal conditions of use, storage and transport                   |
| 10.2 | Chemical stability                 | Stable under normal conditions  |
| 10.3 | Possibility of hazardous reactions | No dangerous reactions known under normal conditions of use   |
| 10.4 | Conditions to avoid                | None under recommended storage and handling conditions (see section 7)                              |
| 10.5 | Incompatible materials             | Oxidizing agent. Strong acids   |
| 10.6 | Hazardous decomposition products   | Under normal conditions of storage and use, hazardous decomposition products should not be produced |

## Section 11. Toxicological information

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

|                             |                |
|-----------------------------|----------------|
| Acute toxicity (oral)       | Not classified |
| Acute toxicity (dermal)     | Not classified |
| Acute toxicity (inhalation) | Not classified |

#### Aluminium Hydroxide (21645-51-2)

|                       |                         |
|-----------------------|-------------------------|
| LD50 oral rat         | > 2000 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 2.3 mg/l              |

#### Melamine (108-78-1)

|                       |                 |
|-----------------------|-----------------|
| LC50 Inhalation - Rat | > 5.19 mg/l air |
|-----------------------|-----------------|

|                           |                             |
|---------------------------|-----------------------------|
| Skin corrosion/irritation | Not classified<br>pH: 5 – 9 |
|---------------------------|-----------------------------|

#### Aluminium Hydroxide (21645-51-2)

|                               |  |
|-------------------------------|--|
| pH                            | 9  |
| Serious eye damage/irritation | Causes serious eye irritation<br>pH: 5 – 9 |

#### Aluminium Hydroxide (21645-51-2)

|                                   |   |
|-----------------------------------|---|
| pH                                | 9   |
| Respiratory or skin sensitisation | Not classified                                      |
| Germ cell mutagenicity            | Not classified                                      |
| Carcinogenicity                   | Suspected of causing cancer                         |
| Reproductive toxicity             | Suspected of damaging fertility or the unborn child |

**Aluminium Hydroxide (21645-51-2)**

|                           |                       |
|---------------------------|-----------------------|
| NOAEL (animal/male, F0/P) | 1000 mg/kg bodyweight |
| STOT-single exposure      | Not classified        |
| STOT-repeated exposure    | Not classified        |

**Melamine (108-78-1)**

|                        |   |
|------------------------|---|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure |
| Aspiration hazard      | Not classified  |

**Cellulose**

|                      |                |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

**Aluminium Hydroxide (21645-51-2)**

|                      |                |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

|        |   |  |
|--------|---|--|
| 11.2   | Information on other hazards                        |  |
| 11.2.1 | Endocrine disrupting properties                     |  |
| 11.2.2 | Other information                                   |  |
|        | Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met |

## Section 12. Ecological information

### 12.1 Toxicity

|   |   |
|---|---|
| Ecology - general   | Harmful to aquatic life with long lasting effects |
| Hazardous to the aquatic environment, short-term (acute)  | Not classified                                    |
| Hazardous to the aquatic environment, long-term (chronic) | Harmful to aquatic life with long lasting effects |
| Not rapidly degradable                                    |   |

### Melamine (108-78-1)

|                    |             |
|--------------------|-------------|
| LC50 fish [1]      | > 3000 mg/l |
| EC50 Crustacea [1] | 200 mg/l    |
| EC50 96h algae [1] | 325 mg/l    |
| LOEC (chronic)     | > 11 mg/l   |
| NOEC (chronic)     | ≥ 11 mg/l   |
| NOEC chronic fish  | ≥ 5.1 mg/l  |

### 12.2 Persistence and degradability

No additional information available

### 12.3 Bio-accumulative potential

No additional information available

### 12.4 Mobility in soil

FIREPRO® High Expansion Intumescent Sealant

Ecology - soil  
Expected to be highly mobile in soil

### 12.5 Results of PBT and vPvB assessment

No additional information available

### 12.6 Endocrine disrupting properties

No additional information available

### 12.7 Other adverse effects

No additional information available

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

Regional legislation (waste)  
Disposal must be done according to official regulations

Waste treatment methods  
Dispose of contents/container in accordance with licensed collector's sorting instructions

## Section 14. Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

|                                 | ADR            | IMDG           | IATA           | ADN            | RID            |
|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| 14.1 UN number or ID number     | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2 UN proper shipping name    | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3 Transport hazard class(es) | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4 Packing group              | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5 Environmental hazards      | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

No supplementary information available

### 14.6 Special precautions for user

|                           |                |
|---------------------------|----------------|
| Overland transport        | Not applicable |
| Transport by sea          | Not applicable |
| Air transport             | Not applicable |
| Inland waterway transport | Not applicable |
| Rail transport            | Not applicable |

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

Not applicable

## Section 15. Regulatory information

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

#### 15.1.1 EU-Regulations

|  |   |
|--|---|
| REACH Annex XVII (Restriction List)            | Contains no REACH substances with Annex XVII restrictions   |
| REACH Annex XIV (Authorisation List)           | Contains no REACH Annex XIV substances  |
| REACH Candidate List (SVHC)                    | Contains no substance on the REACH candidate list   |
| PIC Regulation (Prior Informed Consent)        | Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals |
| POP Regulation (Persistent Organic Pollutants) | Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants                      |
| Ozone Regulation (1005/2009)                   | Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer       |
| Explosives Precursors Regulation (2019/1148)   | Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors        |
| Drug Precursors Regulation (273/2004)          | Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)   |

#### 15.1.2 National regulations

##### France

##### Occupational diseases

| Code  | Description                                |
|-------|--|
| RG 65 | Eczematiform lesions of allergic mechanism |
| RG 66 | Occupational rhinitis and asthma           |

##### Germany

|  |  |
|--|--|
| Employment restrictions                    | Observe restrictions according Act on the Protection of Working Mothers (MuSchG).<br>Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG) |
| Water hazard class (WGK)                   | WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)   |
| Hazardous Incident Ordinance (12. BImSchV) | Is not subject of the Hazardous Incident Ordinance (12. BImSchV)   |



| Netherlands  |  |
|--|--|
| ABM category   | A(3) - hazardous for aquatic organisms, may have longterm hazardous effects in aquatic environment   |
| SZW-lijst van kankerverwekkende stoffen              | None of the components are listed  |
| SZW-lijst van kankerverwekkende stoffen              | None of the components are listed  |
| SZW-lijst van reprotoxische stoffen – Borstvoeding   | None of the components are listed  |
| SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | None of the components are listed  |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling   | None of the components are listed  |
| Denmark  |  |
| Danish National Regulations                          | Young people below the age of 18 years are not allowed to use the product<br><br>Pregnant/breastfeeding women working with the product must not be in direct contact with the product<br><br>The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal |
| Switzerland  |  |
| Storage class (LK)                                   | LK 10/12 - Liquids   |

## 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

### Important note:

- This EU SDS is one of three SDSs for the named product - separate SDSs are provided to meet the regulatory requirements specific to GB, NI and EU;
- The content of this SDS may differ from that of the other SDSs, due to the different regulatory frameworks applicable to GB, NI and EU; and
- The user should refer to the SDS appropriate to the territory they are operating in.

## Section 16. Other information

### Abbreviations and acronyms

|         |   |
|---------|---|
| ADN     | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR     | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE     | Acute Toxicity Estimate   |
| BCF     | Bioconcentration factor   |
| BLV     | Biological limit value  |
| BOD     | Biochemical oxygen demand (BOD)   |
| COD     | Chemical oxygen demand (COD)  |
| DMEL    | Derived Minimal Effect level  |
| DNEL    | Derived-No Effect Level   |
| EC-No.  | European Community number   |
| EC50    | Median effective concentration  |
| EN      | European Standard   |
| IARC    | International Agency for Research on Cancer   |
| IATA    | International Air Transport Association   |
| IMDG    | International Maritime Dangerous Goods  |
| LC50    | Median lethal concentration   |
| LD50    | Median lethal dose  |
| LOAEL   | Lowest Observed Adverse Effect Level  |
| NOAEC   | No-Observed Adverse Effect Concentration  |
| NOAEL   | No-Observed Adverse Effect Level  |
| NOEC    | No-Observed Effect Concentration  |
| OECD    | Organisation for Economic Co-operation and Development  |
| OEL     | Occupational Exposure Limit   |
| PBT     | Persistent Bioaccumulative Toxic  |
| PNEC    | Predicted No-Effect Concentration   |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |
| SDS     | Safety Data Sheet   |
| STP     | Sewage treatment plant  |
| ThOD    | Theoretical oxygen demand (ThOD)  |
| TLM     | Median Tolerance Limit  |
| VOC     | Volatile Organic Compounds  |
| CAS-No. | Chemical Abstract Service number  |
| N.O.S.  | Not Otherwise Specified   |
| vPvB    | Very Persistent and Very Bioaccumulative  |
| ED      | Endocrine disrupting properties   |

| Full text of H- and EUH-statements |   |
|------------------------------------|---|
| Acute Tox. 2 (Dermal)              | Acute toxicity (dermal), Category 2   |
| Acute Tox. 2 (Inhalation)          | Acute toxicity (inhal.), Category 2   |
| Acute Tox. 3 (Oral)                | Acute toxicity (oral), Category 3   |
| Acute Tox. 4 (Oral)                | Acute toxicity (oral), Category 4   |
| Aquatic Acute 1                    | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1                  | Hazardous to the aquatic environment – Chronic Hazard, Category 1   |
| Aquatic Chronic 2                  | Hazardous to the aquatic environment – Chronic Hazard, Category 2   |
| Aquatic Chronic 3                  | Hazardous to the aquatic environment – Chronic Hazard, Category 3   |
| Carc. 2                            | Carcinogenicity, Category 2   |
| EUH208                             | Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one(2634-33-5), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction |
| Eye Dam. 1                         | Serious eye damage/eye irritation, Category 1   |
| Eye Irrit. 2                       | Serious eye damage/eye irritation, Category 2   |
| H301                               | Toxic if swallowed  |
| H302                               | Harmful if swallowed  |
| H310                               | Fatal in contact with skin  |
| H314                               | Causes severe skin burns and eye damage   |
| H315                               | Causes skin irritation  |
| H317                               | May cause an allergic skin reaction   |
| H318                               | Causes serious eye damage   |
| H319                               | Causes serious eye irritation   |
| H330                               | Fatal if inhaled  |
| H351                               | Suspected of causing cancer   |
| H361                               | Suspected of damaging fertility or the unborn child   |
| H373                               | May cause damage to organs through prolonged or repeated exposure   |
| H400                               | Very toxic to aquatic life  |
| H410                               | Very toxic to aquatic life with long lasting effects  |
| H411                               | Toxic to aquatic life with long lasting effects   |
| H412                               | Harmful to aquatic life with long lasting effects   |
| Repr. 2                            | Reproductive toxicity, Category 2   |
| Skin Corr. 1C                      | Skin corrosion/irritation, Category 1, Sub-Category 1C  |
| Skin Irrit. 2                      | Skin corrosion/irritation, Category 2   |
| Skin Sens. 1                       | Skin sensitisation, category 1  |
| Skin Sens. 1A                      | Skin sensitisation, category 1A   |
| STOT RE 2                          | Specific target organ toxicity – Repeated exposure, Category 2  |

The classification complies with: ATP 12

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