



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008  
This SDS is for generic information purposes and does not reflect required country specific  
information for OEL

HERNIA 1853  
Supersedes Date: 08-Jul-2022

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

### 1.1. Product identifier

Product Name HERNIA 1853

Pure substance/mixture Mixture

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

Recommended use Adhesive

Uses advised against None known.

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

#### Company Name

Bostik AB  
Strandbadsvaegen 22  
PO Box 903  
25109 Helsingborg, Sweden  
Tel: +46 42 19 50 00  
Fax: +46 42 19 50 20

E-mail address SDS.box-EU@bostik.com

### 1.4. Emergency telephone number

Emergency Telephone 112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### EU Specific Hazard Statements

EUH208 - Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] & 1,2-benzisothiazol-3(2H)-one [BIT]. May produce an allergic reaction  
EUH210 - Safety data sheet available on request

### 2.3. Other hazards

No information available.

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## PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name   | EC No.    | CAS No.    | Classification according to Regulation (EC) No. 1272/2008 [CLP]  | Specific concentration limit (SCL)   | M-Factor | M-Factor (long-term) | REACH registration number |
|---|-----------|------------|--|--|----------|----------------------|---------------------------|
| 1,2-benzisothiazol-3(2H)-one [BIT]<br>0.01 - <0.05 %  | 220-120-9 | 2634-33-5  | Acute Tox. 4 (H302)<br>Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)<br>Skin Sens. 1 (H317)<br>Aquatic Acute 1 (H400)<br>Acute Tox. 2 (H330)<br>Aquatic Chronic 2 (H411)                         | Skin Sens. 1 ::<br>C>=0.05%  | 1        | -                    | 01-2120761540-60-XXXX     |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]<br><0.0015 % | 611-341-5 | 55965-84-9 | Acute Tox. 3 (H301)<br>Acute Tox. 2 (H310)<br>Acute Tox. 2 (H330)<br>Skin Corr. 1C (H314)<br>Eye Dam. 1 (H318)<br>Skin Sens. 1A (H317)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410) | Eye Dam. 1 ::<br>C>=0.6% Eye Irrit. 2 ::<br>0.06%<=C<0.6%<br>Skin Corr. 1C ::<br>C>=0.6%<br>Skin Irrit. 2 ::<br>0.06%<=C<0.6%<br>Skin Sens. 1 ::<br>C>=0.0015% | 100      | 100                  | 01-2120764691-48-XXXX     |

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

### Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE<sub>mix</sub>) for classifying a mixture based on its components

| Chemical name  | EC No     | CAS No     | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapour - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|--|-----------|------------|-----------------|-------------------|---|--|--------------------------------------|
| 1,2-benzisothiazol-3(2H)-one [BIT]   | 220-120-9 | 2634-33-5  | 670             | -                 | 0.25  | -  | -                                    |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] | 611-341-5 | 55965-84-9 | 100             | 87.12             | 0.33  | -  | -                                    |

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### Notes

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See section 16 for more information

| Chemical name   | Notes |
|---|-------|
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] - 55965-84-9 | B     |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                       |   |
|-----------------------|---|
| <b>General advice</b> | Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.        |
| <b>Inhalation</b>     | IF exposed or concerned: Get medical advice/attention. Remove to fresh air.   |
| <b>Eye contact</b>    | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.                     |
| <b>Skin contact</b>   | In the case of skin irritation or allergic reactions see a doctor. Wash skin with soap and water.                                     |
| <b>Ingestion</b>      | Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. |

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

**Symptoms** No information available.

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

**Note to doctors** No information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Full water jet. Do not scatter spilled material with high pressure water streams.

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

**Specific hazards arising from the chemical** No information available.

**Hazardous combustion products** Nitrogen oxides (NOx).

### 5.3. Advice for firefighters

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

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

**Personal precautions** Ensure adequate ventilation. Avoid contact with skin, eyes or clothing.

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**Other information** Prevent further leakage or spillage if safe to do so.

**For emergency responders** Use personal protection recommended in Section 8.

## 6.2. Environmental precautions

**Environmental precautions** Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

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

**Storage Conditions** Keep from freezing. Keep containers tightly closed in a cool, well-ventilated place.

**Recommended storage temperature** Keep at temperatures between 10 and 20 °C.

### 7.3. Specific end use(s)

**Specific use(s)**  
Adhesive.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**Other information** Observe technical data sheet.

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### Exposure Limits

**Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.**

**Derived No Effect Level (DNEL)** No information available

**Derived No Effect Level (DNEL)**  
**1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)**

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| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|--|----------------|--------------------------------|---------------|
| worker<br>Long term<br>Systemic health effects | Inhalation     | 6.81 mg/m <sup>3</sup>         |               |
| worker<br>Long term<br>Systemic health effects | Dermal         | 0.966 mg/kg bw/d               |               |

| Derived No Effect Level (DNEL)                   |                |                                |               |
|--|----------------|--------------------------------|---------------|
| 1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)   |                |                                |               |
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects | Inhalation     | 1.2 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Systemic health effects | Dermal         | 0.345 mg/kg bw/d               |               |

**Predicted No Effect Concentration (PNEC)** No information available.

| Predicted No Effect Concentration (PNEC)       |  |
|--|--|
| 1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5) |  |
| Environmental compartment                      | Predicted No Effect Concentration (PNEC) |
| Freshwater                                     | 4.03 µg/l                                |
| Marine water                                   | 0.403 µg/l                               |
| Sewage treatment plant                         | 1.03 mg/l                                |
| Freshwater sediment                            | 49.9 µg/l                                |
| Marine sediment                                | 4.99 µg/l                                |
| Soil   | 3 mg/kg dry weight                       |

## 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

**Eye/face protection**  
**Hand protection**

Tight sealing safety goggles.  
Wear suitable gloves. Gloves must conform to standard EN 374. Recommended Use: Nitrile rubber. Butyl rubber. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves should be replaced regularly and if there is any sign of damage to the glove material.

**Skin and body protection**  
**Respiratory protection**

Suitable protective clothing.  
None under normal use conditions.

**Environmental exposure controls** Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                        |                          |
|------------------------|--------------------------|
| <b>Physical state</b>  | Liquid                   |
| <b>Appearance</b>      | Viscous                  |
| <b>Colour</b>          | White                    |
| <b>Odour</b>           | Characteristic.          |
| <b>Odour threshold</b> | No information available |

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| <u>Property</u>                         | <u>Values</u>                | <u>Remarks</u> • <u>Method</u> |
|---|------------------------------|--------------------------------|
| Melting point / freezing point          | No data available            | None known                     |
| Initial boiling point and boiling range | > 101 °C                     | None known                     |
| Flammability                            | Not applicable for liquids . | None known                     |
| Flammability Limit in Air               |                              | None known                     |
| Upper flammability or explosive limits  | No data available            |                                |
| Lower flammability or explosive limits  | No data available            |                                |
| Flash point                             | No data available            | None known                     |
| Autoignition temperature                | No data available            | None known                     |
| Decomposition temperature               |                              | None known                     |
| pH                                      | 6 - 7                        | None known                     |
| pH (as aqueous solution)                | No data available            | None known                     |
| Kinematic viscosity                     | No data available            | None known                     |
| Dynamic viscosity                       | No data available            |                                |
| Water solubility                        | No data available            | Miscible in water              |
| Solubility(ies)                         | No data available            | None known                     |
| Partition coefficient                   | No data available            | None known                     |
| Vapour pressure                         | No data available            | None known                     |
| Relative density                        | No data available            | None known                     |
| Bulk Density                            | No data available            |                                |
| Density                                 | 1.05 g/cm <sup>3</sup>       |                                |
| Relative vapour density                 | No data available            | None known                     |
| Particle characteristics                |                              |                                |
| Particle Size                           | No information available     |                                |
| Particle Size Distribution              | No information available     |                                |
| <b>9.2. Other information</b>           |                              |                                |
| Solid content (%)                       | No information available     |                                |
| VOC Content (%)                         |                              | No data available              |

9.2.1. Information with regards to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics  
No information available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Reactivity No information available.

### **10.2. Chemical stability**

Stability Stable under normal conditions.

### **Explosion data**

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

### **10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions None under normal processing.

### **10.4. Conditions to avoid**

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Conditions to avoid Do not freeze.

## 10.5. Incompatible materials

Incompatible materials None known based on information supplied.

## 10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

## SECTION 11: Toxicological information

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

#### Information on likely routes of exposure

##### Product Information

**Inhalation** Based on available data, the classification criteria are not met.  
**Eye contact** Based on available data, the classification criteria are not met.  
**Skin contact** Based on available data, the classification criteria are not met.  
**Ingestion** Based on available data, the classification criteria are not met.

#### Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

#### Acute toxicity

#### Numerical measures of toxicity

#### Component Information

| Chemical name   | Oral LD50           | Dermal LD50                                   | Inhalation LC50      |
|---|---------------------|---|----------------------|
| 1,2-benzisothiazol-3(2H)-one<br>[BIT]   | =670 mg/kg (Rattus) | LD50 > 2000 mg/kg (Rattus)                    | ATE = 0.25 mg/L      |
| reaction mass of<br>5-chloro-2-methyl-2H-isothiazol-<br>1-3-one and<br>2-methyl-2H-isothiazol-3-one<br>(3:1) [C(M)IT/MIT] | -                   | LD50 = 87.12 mg/kg<br>(Oryctolagus cuniculus) | = 0.33 mg/L (Rat) 4h |

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

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

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

**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

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

### 11.2.2. Other information

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

| Chemical name   | Algae/aquatic plants  | Fish   | Toxicity to microorganisms | Crustacea                                       | M-Factor | M-Factor (long-term) |
|---|---|--|----------------------------|---|----------|----------------------|
| 1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5  | EC50 3Hr 13mg/l (activated sludge) (OECD 209)                       | LC50 (96hr) 2.15 mg/l Cyprinodon variegatus EPA 540/9-85-006 | -                          | EC50(48hr) 2.94 mg/l (Daphnia Magna) OECD 202   | 1        |                      |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] 55965-84-9 | EC50 (72h) =0.048 mg/L (Pseudokirchneriella subcapitata) (OECD 201) | EC50 (96h) = 0.22 mg/L (Oncorhynchus mykiss) (OECD 211)      | -                          | EC50 (48h) =0.1 mg/L (Daphnia magna) (OECD 202) | 100      | 100                  |

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] (55965-84-9)

| Method  | Exposure time | Value          | Results                   |
|---|---------------|----------------|---------------------------|
| OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B) | 28 days       | biodegradation | Not readily biodegradable |

### 12.3. Bioaccumulative potential

#### Bioaccumulation



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## Component Information

| Chemical name  | Partition coefficient |
|--|-----------------------|
| 1,2-benzisothiazol-3(2H)-one [BIT]   | 0.7                   |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] | 0.7                   |

## 12.4. Mobility in soil

**Mobility in soil** No information available.

## 12.5. Results of PBT and vPvB assessment

### PBT and vPvB assessment

| Chemical name  | PBT and vPvB assessment         |
|--|---------------------------------|
| 1,2-benzisothiazol-3(2H)-one [BIT]   | The substance is not PBT / vPvB |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT] | The substance is not PBT / vPvB |

## 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

## 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| <b>Waste from residues/unused products</b> | Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.  |
| <b>European Waste Catalogue</b>            | 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09                                    |
| <b>Other information</b>                   | Waste codes should be assigned by the user based on the application for which the product was used.             |

## SECTION 14: Transport information

**Note:** Keep from freezing.

### Land transport (ADR/RID)

|                                 |                |
|---------------------------------|----------------|
| 14.1 UN number or ID number     | Not regulated  |
| 14.2 Proper Shipping Name       | Not regulated  |
| 14.3 Transport hazard class(es) | Not regulated  |
| 14.4 Packing group              | Not regulated  |
| 14.5 Environmental hazards      | Not applicable |
| 14.6 Special Provisions         | None           |

### IMDG

|                                 |               |
|---------------------------------|---------------|
| 14.1 UN number or ID number     | Not regulated |
| 14.2 Proper Shipping Name       | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |

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14.4 Packing group Not regulated  
14.5 Marine pollutant NP  
14.6 Special Provisions None  
14.7 Maritime transport in bulk according to IMO instruments Not applicable

#### Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number Not regulated  
14.2 Proper Shipping Name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special Provisions None

## Section 15: REGULATORY INFORMATION

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

#### European Union

#### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

##### **SVHC: Substances of Very High Concern for Authorisation:**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

##### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

##### **Substance subject to authorisation per REACH Annex XIV**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

##### **Biocidal Products Regulation (EU) No 528/2012 (BPR)**

Contains a biocide : Contains C(M)IT/MIT (3:1). May produce an allergic reaction

##### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

##### **Persistent Organic Pollutants**

Not applicable

#### National regulations

##### France

##### **Occupational Illnesses (R-463-3, France)**

| Chemical name                                   | French RG number |
|---|------------------|
| 1,2-benzisothiazol-3(2H)-one [BIT]<br>2634-33-5 | RG 65            |

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## Germany

### **Ordinance on Industrial Safety and Health - Germany - BetrSichV**

No flammable liquids in accordance with BetrSichV

**Water hazard class (WGK)** slightly hazardous to water (WGK 1)

## Netherlands

### **List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)**

Not Listed

## Denmark

**Registration number(s) (P-no.)** No information available

**MAL-Code** 00-1

## Norway

**Registration number(s) (PRN-no.)** No information available

## 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture.

## **SECTION 16: Other information**

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Full text of H-Statements referred to under section 3**

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  
H330 - Fatal if inhaled  
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

#### **Notes assigned to an entry**

**Note B:** Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations.

In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'.

In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE: Specific target organ toxicity - Repeated exposure

STOT SE: Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

LOW: List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IATA: International Air Transport Association

ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

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## Legend SECTION 8: Exposure controls/personal protection

|         |                                   |      |                                  |
|---------|-----------------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average)       | STEL | STEL (Short Term Exposure Limit) |
| AGW     | Occupational exposure limit value | BGW  | Biological limit value           |
| Ceiling | Maximum limit value               | *    | Skin designation                 |

| Classification procedure  |                    |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity   | Calculation method |
| Acute dermal toxicity   | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - Vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation  | Calculation method |
| mutagenicity  | Calculation method |
| Carcinogenicity   | Calculation method |
| Reproductive toxicity   | Calculation method |
| STOT - single exposure  | Calculation method |
| STOT - repeated exposure  | Calculation method |
| Acute aquatic toxicity  | Calculation method |
| Chronic aquatic toxicity  | Calculation method |
| Aspiration hazard   | Calculation method |
| Ozone   | Calculation method |

## Key literature references and sources for data used to compile the SDS

European Food Safety Authority (EFSA)  
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
European Chemicals Agency (ECHA) (ECHA\_API)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGL(s))  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
NIOSH (National Institute for Occupational Safety and Health)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set

**Prepared By** Product Safety & Regulatory Affairs

**Revision date** 08-Jul-2022

**Training Advice** No information available

**Further information** No information available

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

## Disclaimer

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**End of Safety Data Sheet**