

according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended

Creation Date 15-Feb-2017

Revision Date 25-Sep-2023

Revision Number 6

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

| Product Description:<br>Cat No. :<br>Synonyms<br>Index No<br>CAS No<br>EC No<br>Molecular Formula | Tetraethylthiuram disulfide<br>138120000; 138120250; 138120000; 138125000<br>Bis(diethylthiocarbamoyl) disulfide; Disulfiram; TETD<br>006-079-00-8<br>97-77-8<br>202-607-8<br>C10 H20 N2 S4<br>substance or mixture and uses advised against                      |
|---|---|
|   | Substance of mixture and uses advised against   |
| Recommended Use<br>Uses advised against   | Laboratory chemicals.<br>No Information available   |
| 1.3. Details of the supplier of the sa  | afety data sheet  |
| Company   |   |
| Company   | <b>UK entity/business name</b><br>Fisher Scientific UK<br>Bishop Meadow Road,<br>Loughborough, Leicestershire LE11 5RG, United Kingdom  |
|   | EU entity/business name   |
|   | Thermo Fisher Scientific  |
|   | Janssen Pharmaceuticalaan 3a, 2440 Geel, Belgium  |
| E-mail address  | begel.sdsdesk@thermofisher.com  |
| 1.4. Emergency telephone number   | For information <b>US</b> call: 001-800-227-6701 / <b>Europe</b> call: +32 14 57 52 11<br>Emergency Number <b>US:</b> 001-201-796-7100 / <b>Europe:</b> +32 14 57 52 99<br><b>CHEMTREC</b> Tel. No. <b>US:</b> 001-800-424-9300 / <b>Europe:</b> 001-703-527-3887 |

# **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1. Classification of the substance or mixture

#### CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

#### Physical hazards

Based on available data, the classification criteria are not met

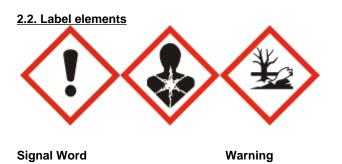
#### Health hazards

Acute oral toxicity Skin Sensitization Specific target organ toxicity - (repeated exposure)

#### Environmental hazards

Acute aquatic toxicity Chronic aquatic toxicity

Full text of Hazard Statements: see section 16



#### **Hazard Statements**

H317 - May cause an allergic skin reaction

- H410 Very toxic to aquatic life with long lasting effects
- H302 Harmful if swallowed
- H373 May cause damage to organs through prolonged or repeated exposure

#### **Precautionary Statements**

P280 - Wear eye protection/ face protection

- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P273 Avoid release to the environment
- P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

#### 2.3. Other hazards

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB)

This product does not contain any known or suspected endocrine disruptors

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

| Component  | CAS No  | EC No             | Weight % | CLP Classification - According to<br>GB-CLP Regulations UK SI 2019/720 and<br>UK SI 2020/1567                        |
|------------|---------|-------------------|----------|--|
| Disulfiram | 97-77-8 | EEC No. 202-607-8 | > 95     | Acute Tox. 4 (H302)<br>Skin Sens. 1 (H317)<br>STOT RE 2 (H373)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410) |

|  | Component | Specific concentration limits | M-Factor | Component notes |
|--|-----------|-------------------------------|----------|-----------------|
|--|-----------|-------------------------------|----------|-----------------|

Category 1 (H400) Category 1 (H410)

#### Tetraethylthiuram disulfide

|            | (SCL's) |              |   |
|------------|---------|--------------|---|
| Disulfiram | -       | 10 (acute)   | - |
|            |         | 10 (chronic) |   |

Full text of Hazard Statements: see section 16

## **SECTION 4: FIRST AID MEASURES**

#### 4.1. Description of first aid measures

| Eye Contact                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.                                  |
|------------------------------------|--|
| Skin Contact                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention.                     |
| Ingestion                          | Clean mouth with water. Get medical attention.   |
| Inhalation                         | Remove from exposure, lie down. Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.                       |
| Self-Protection of the First Aider | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. |
| 4.2. Most important symptoms and   | effects, both acute and delayed  |
|                                    | May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching  |

May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing

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

Notes to Physician

Treat symptomatically.

## **SECTION 5: FIREFIGHTING MEASURES**

#### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Alcohol resistant foam.

**Extinguishing media which must not be used for safety reasons** No information available.

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

Do not allow run-off from fire-fighting to enter drains or water courses.

#### **Hazardous Combustion Products**

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NOx), Sulfur oxides.

#### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Ensure adequate ventilation.

#### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

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

Sweep up and shovel into suitable containers for disposal.

#### 6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

## **SECTION 7: HANDLING AND STORAGE**

#### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid contact with skin and clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Avoid breathing vapors or mists. Do not ingest. If swallowed then seek immediate medical assistance. Wash thoroughly after handling.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

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

Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

Technical Rules for Hazardous Substances (TRGS) 510 Class 11 Storage Class (LGK) (Germany)

#### 7.3. Specific end use(s)

Use in laboratories

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1. Control parameters

#### **Exposure limits**

List source(s):

| Component  | The United Kingdom | European Union | Ireland                          |
|------------|--------------------|----------------|----------------------------------|
| Disulfiram |                    |                | TWA: 2 mg/m <sup>3</sup> 8 hr.   |
|            |                    |                | STEL: 6 mg/m <sup>3</sup> 15 min |

#### Tetraethylthiuram disulfide

#### **Biological limit values**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

## Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

See table for values

| Component        | Acute effects local<br>(Dermal) | Acute effects<br>systemic (Dermal) | Chronic effects local<br>(Dermal) | Chronic effects systemic (Dermal) |
|------------------|---------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| Disulfiram       |                                 | DNEL = 31mg/kg                     |                                   | DNEL = 0.592mg/kg                 |
| 97-77-8 ( > 95 ) |                                 | bw/day                             |                                   | bw/day                            |

| Component                   | Acute effects local<br>(Inhalation) | Acute effects<br>systemic (Inhalation) | Chronic effects local<br>(Inhalation) | Chronic effects systemic (Inhalation) |
|-----------------------------|-------------------------------------|--|---------------------------------------|---------------------------------------|
| Disulfiram<br>97-77-8(> 95) |                                     | DNEL = 0.696mg/m <sup>3</sup>          |                                       | DNEL = 0.146mg/m <sup>3</sup>         |

#### Predicted No Effect Concentration (PNEC)

See values below.

#### 8.2. Exposure controls

#### **Engineering Measures**

Ensure adequate ventilation, especially in confined areas. Ventilation systems.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

#### Personal protective equipment

Eye Protection Wear safety glasses with side shields (or goggles) Goggles (European standard - EN 166)

Hand Protection Protective gloves

| Glove material<br>Nitrile rubber<br>Neoprene<br>Natural rubber<br>PVC | Breakthrough time<br>See manufacturers<br>recommendations | Glove thickness<br>- | EU standard<br>EN 374 | Glove comments<br>(minimum requirement) |
|---|---|----------------------|-----------------------|---|
| Skin and body prot  | tection Long sle  | eved clothing.       |                       |   |

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

| Respiratory Protection    | Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly |
|---------------------------|--|
| Large scale/emergency use | Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced  |

| Tetraethylthiuram disulfide     | Revision Date 25-Sep-2023  |
|---------------------------------|--|
|                                 | Recommended Filter type: Particulates filter conforming to EN 143  |
| Small scale/Laboratory use      | Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. <b>Recommended half mask:-</b> Particle filtering: EN149:2001 When RPE is used a face piece Fit Test should be conducted |
| Environmental exposure controls | Prevent product from entering drains. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.  |

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

| Physical State   | Solid   |                                   |
|--|---|-----------------------------------|
| Appearance<br>Odor<br>Odor Threshold<br>Melting Point/Range<br>Softening Point<br>Boiling Point/Range<br>Flammability (liquid)<br>Flammability (solid,gas)<br>Explosion Limits | Light yellow<br>Odorless<br>No data available<br>70 - 74 °C / 158 - 165.2 °F<br>No data available<br>117 °C / 242.6 °F<br>Not applicable<br>No information available<br>No data available | 23 hPa<br>Solid                   |
| Flash Point<br>Autoignition Temperature<br>Decomposition Temperature<br>pH   | No information available<br>No data available<br>No data available<br>No information available  | Method - No information available |
| Viscosity<br>Water Solubility<br>Solubility in other solvents  | Not applicable<br>0.02 g/100ml<br>No information available  | Solid                             |
| Partition Coefficient (n-octanol/wate<br>Component   | er)<br>log Pow  |                                   |
| Disulfiram<br>Vapor Pressure<br>Density / Specific Gravity<br>Bulk Density<br>Vapor Density<br>Particle characteristics  | 3.88<br>No data available<br>No data available<br>No data available<br>Not applicable<br>No data available  | Solid                             |
| 9.2. Other information   |   |                                   |
| Molecular Formula  | C10 H20 N2 S4   |                                   |

C10 H20 N2 S4 296.51 Not applicable - Solid

**SECTION 10: STABILITY AND REACTIVITY** 

10.1. Reactivity

**Molecular Weight** 

**Evaporation Rate** 

None known, based on information available

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

Tetraethylthiuram disulfide

| Hazardous Polymerization  | No information available. |
|---------------------------|---------------------------|
| Hazardous Reactions       | No information available. |
| 10.4. Conditions to avoid | Incompatible products.    |

10.5. Incompatible materials

Oxidizing agent.

#### 10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NOx). Sulfur oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

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

Product Information

(a) acute toxicity; Oral

Dermal

Inhalation

Category 4 Based on available data, the classification criteria are not met Based on available data, the classification criteria are not met

| Component  | LD50 Oral              | LD50 Dermal                | LC50 Inhalation          |
|------------|------------------------|----------------------------|--------------------------|
| Disulfiram | LD50 = 500 mg/kg (Rat) | LD50 > 2000 mg/kg (Rabbit) | LC50 = 700 ppm (Rat) 4 h |

(b) skin corrosion/irritation; No data available No data available (c) serious eye damage/irritation; (d) respiratory or skin sensitization; No data available Respiratory Skin Category 1 May cause sensitization by skin contact No data available (e) germ cell mutagenicity; (f) carcinogenicity; No data available There are no known carcinogenic chemicals in this product (g) reproductive toxicity; No data available No data available (h) STOT-single exposure; Category 2 (i) STOT-repeated exposure; Liver, Central nervous system (CNS), Peripheral Nervous System (PNS). **Target Organs** (j) aspiration hazard; Not applicable

Tetraethylthiuram disulfide

Solid

Symptoms / effects, both acute and Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing. delayed

11.2. Information on other hazards

| Endocrine Disrupting Properties | Assess endocrine disrupting properties for human health. This product does not contain any |
|---------------------------------|--|
|                                 | known or suspected endocrine disruptors.   |

# **SECTION 12: ECOLOGICAL INFORMATION**

#### 12.1. Toxicity **Ecotoxicity effects**

The product contains following substances which are hazardous for the environment. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

| Freshwater Fish                   | Water Flea | Freshwater Algae        |
|-----------------------------------|------------|-------------------------|
| LC50: = 0.187 mg/L, 96h           |            |                         |
| semi-static (Poecilia reticulata) |            |                         |
|                                   |            | LC50: = 0.187 mg/L, 96h |

| Component  | Microtox | M-Factor     |
|------------|----------|--------------|
| Disulfiram |          | 10 (acute)   |
|            |          | 10 (chronic) |

#### 12.2. Persistence and degradability

Persistence

Insoluble in water, Persistence is unlikely, based on information available. Degradation in sewage Contains substances known to be hazardous to the environment or not degradable in waste treatment plant water treatment plants.

12.3. Bioaccumulative potential

May have some potential to bioaccumulate

| Component  | log Pow | Bioconcentration factor (BCF) |
|------------|---------|-------------------------------|
| Disulfiram | 3.88    | No data available             |

| <u>12.4. Mobility in soil</u>  | Spillage unlikely to penetrate soil The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces Is not likely mobile in the environment due its low water solubility. Will likely be mobile in the environment due to its volatility. |
|--|---|
| <u>12.5. Results of PBT and vPvB</u><br>assessment                                 | Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB).  |
| <u>12.6. Endocrine disrupting</u><br>properties<br>Endocrine Disruptor Information | This product does not contain any known or suspected endocrine disruptors   |
| 12.7. Other adverse effects  |   |

**Persistent Organic Pollutant** This product does not contain any known or suspected substance **Ozone Depletion Potential** This product does not contain any known or suspected substance

# SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

| Waste from Residues/Unused<br>Products | Should not be released into the environment. Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations. |
|--|---|
| Contaminated Packaging                 | Dispose of this container to hazardous or special waste collection point.   |
| European Waste Catalogue (EWC)         | According to the European Waste Catalog, Waste Codes are not product specific, but application specific.  |
| Other Information                      | Do not flush to sewer. Waste codes should be assigned by the user based on the application for which the product was used. Do not empty into drains. Do not let this chemical enter the environment.                |

# **SECTION 14: TRANSPORT INFORMATION**

### IMDG/IMO

| <u>14.1. UN number</u><br><u>14.2. UN proper shipping name</u><br>Technical Shipping Name<br><u>14.3. Transport hazard class(es)</u><br><u>14.4. Packing group</u> | UN3077<br>Environmentally hazardous substances, solid, n.o.s.<br>Disulfiram<br>9<br>III                  |
|--|--|
| ADR  |  |
| <u>14.1. UN number</u><br><u>14.2. UN proper shipping name</u><br>Technical Shipping Name<br><u>14.3. Transport hazard class(es)</u><br>14.4. Packing group        | UN3077<br>Environmentally hazardous substances, solid, n.o.s.<br>Disulfiram<br>9<br>III                  |
| IATA   |  |
| <u>14.1. UN number</u><br><u>14.2. UN proper shipping name</u><br>Technical Shipping Name<br><u>14.3. Transport hazard class(es)</u><br>14.4. Packing group        | UN3077<br>Environmentally hazardous substances, solid, n.o.s.<br>Disulfiram<br>9<br>III                  |
| 14.5. Environmental hazards  | Dangerous for the environment<br>Product is a marine pollutant according to the criteria set by IMDG/IMO |
| 14.6. Special precautions for user   | No special precautions required.   |
| 14.7. Maritime transport in bulk according to IMO instruments  | Not applicable, packaged goods   |

# **SECTION 15: REGULATORY INFORMATION**

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

#### International Inventories

#### Tetraethylthiuram disulfide

#### Revision Date 25-Sep-2023

Europe (EINECS/ELINCS/NLP), China (IECSC), Taiwan (TCSI), Korea (KECL), Japan (ENCS), Japan (ISHL), Canada (DSL/NDSL), Australia (AICS), New Zealand (NZIoC), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

| Component  | CAS No  | EINECS    | ELINCS                         | NLP     | IECSC | TCSI | KECL     | ENCS  | ISHL  |
|------------|---------|-----------|--------------------------------|---------|-------|------|----------|-------|-------|
| Disulfiram | 97-77-8 | 202-607-8 | -                              | -       | Х     | Х    | KE-03026 | Х     | Х     |
|            |         |           |                                |         |       |      |          |       |       |
| Component  | CAS No  | TSCA      | TSCA In<br>notific<br>Active-I | ation - | DSL   | NDSL | AICS     | NZIoC | PICCS |
| Disulfiram | 97-77-8 | Х         | ACT                            | IVE     | Х     | -    | Х        | Х     | Х     |

Legend: X - Listed '-' - Not Listed

**KECL** - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

#### Authorisation/Restrictions according to EU REACH

| Component  | CAS No  | REACH (1907/2006) -<br>Annex XIV - Substances<br>Subject to Authorization | U U  | REACH Regulation (EC<br>1907/2006) article 59 -<br>Candidate List of<br>Substances of Very High<br>Concern (SVHC) |
|------------|---------|---|--|---|
| Disulfiram | 97-77-8 | -   | Use restricted. See item<br>75.<br>(see link for restriction<br>details) | -   |

#### **REACH links**

https://echa.europa.eu/substances-restricted-under-reach

#### Seveso III Directive (2012/18/EC)

|     | Component  | CAS No  | , .            | Major Accident Qualifying Quantities for Safety Repo |  |  |
|-----|------------|---------|----------------|--|--|--|
| _ [ |            |         | Notification   | Requirements   |  |  |
|     | Disulfiram | 97-77-8 | Not applicable | Not applicable                                       |  |  |

# Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

Not applicable

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

#### **National Regulations**

UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

#### WGK Classification

See table for values

| Component  | Germany - Water Classification (AwSV) | Germany - TA-Luft Class |
|------------|---------------------------------------|-------------------------|
| Disulfiram | WGK3                                  |                         |

#### 15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted

# **SECTION 16: OTHER INFORMATION**

#### Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed H317 - May cause an allergic skin reaction H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects

#### Legend

| CAS - Chemical Abstracts Service  | <b>TSCA</b> - United States Toxic Substances Control Act Section 8(b) Inventory  |
|---|--|
| EINECS/ELINCS - European Inventory of Existing Commercial Chemical<br>Substances/EU List of Notified Chemical Substances<br>PICCS - Philippines Inventory of Chemicals and Chemical Substances<br>IECSC - Chinese Inventory of Existing Chemical Substances<br>KECL - Korean Existing and Evaluated Chemical Substances |  |
| WEL - Workplace Exposure Limit<br>ACGIH - American Conference of Governmental Industrial Hygienists<br>DNEL - Derived No Effect Level<br>RPE - Respiratory Protective Equipment<br>LC50 - Lethal Concentration 50%<br>NOEC - No Observed Effect Concentration   | <ul> <li>TWA - Time Weighted Average</li> <li>IARC - International Agency for Research on Cancer</li> <li>Predicted No Effect Concentration (PNEC)</li> <li>LD50 - Lethal Dose 50%</li> <li>EC50 - Effective Concentration 50%</li> <li>POW - Partition coefficient Octanol:Water</li> </ul> |
| PBT - Persistent, Bioaccumulative, Toxic  | vPvB - very Persistent, very Bioaccumulative   |

ICAO/IATA - International Civil Aviation Organization/International Air Transport Association MARPOL - International Convention for the Prevention of Pollution from Ships ATE - Acute Toxicity Estimate VOC - (Volatile Organic Compound)

ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code OECD - Organisation for Economic Co-operation and Development BCF - Bioconcentration factor

#### Key literature references and sources for data

https://echa.europa.eu/information-on-chemicals

Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

#### **Training Advice**

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers. Chemical incident response training.

| Creation Date    | 15-Feb-2017     |
|------------------|-----------------|
| Revision Date    | 25-Sep-2023     |
| Revision Summary | Not applicable. |

## This safety data sheet complies with Regulation UK SI 2019/758 and UK SI 2020/1577 as amended.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet