



# 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

**CEMENTONE FIRE CEMENT NATURAL**  
Supersedes Date: 15-Aug-2022

Revision date 17-Aug-2022  
Revision Number 1.01

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

### 1.1. Product identifier

Product Name CEMENTONE FIRE CEMENT NATURAL

Pure substance/mixture Mixture

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

Recommended use Sealant

Uses advised against None known

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

| <u>Company Name</u>      | <u>Supplier</u>           |
|--------------------------|---------------------------|
| Bostik Limited           | Bostik Industries Limited |
| Common Rd                | Newtown, Swords           |
| ST16 3EH                 | Co. Dublin Ireland        |
| Stafford UK              | Tel: +353 (1) 8624900     |
| Tel: +44 (1785) 27 26 25 | Fax: +353 (1) 8402186     |
| Fax: +44 (1785) 25 72 36 |                           |

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

### 1.4. Emergency telephone number

|                |   |
|----------------|---|
| Ireland        | <b>NPIC - National Poison Information Centre</b><br>Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week)<br>Healthcare Professionals: +353 (01) 8092566 (24 hour service) |
| United Kingdom | +44 (1785) 272650   |
| Europe         | 112   |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

|  |                     |
|--|---------------------|
| <b>Serious eye damage/eye irritation</b> | Category 1 - (H318) |
|--|---------------------|

### 2.2. Label elements

Contains Silicic acid, sodium salt (MR >1.6-2.6)



Signal word  
Danger

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## Hazard statements

H318 - Causes serious eye damage

## Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P280 - Wear protective gloves and eye/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor

P501 - Dispose of contents/ container to an approved waste disposal plant

## 2.3. Other hazards

Causes mild skin irritation.

## 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 |
|---|-----------|-----------|---|------------------------------------|----------|----------------------|---------------------------|
| Silicic acid, sodium salt (MR >1.6-2.6) 5 - <10 % | 215-687-4 | 1344-09-8 | STOT SE 3 (H335)<br>Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)   | -                                  | -        | -                    | 01-2119448725-31-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 (ATEmix) 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 |
|---|-----------|-----------|-----------------|-------------------|---|--|--------------------------------------|
| Silicic acid, sodium salt (MR >1.6-2.6) | 215-687-4 | 1344-09-8 | -               | -                 | -   | -  | -                                    |

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)

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|   |   |
|---|---|
| <b>General advice</b>                     | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.   |
| <b>Inhalation</b>                         | Remove to fresh air. Get medical attention immediately if symptoms occur.   |
| <b>Eye contact</b>                        | Get immediate medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>                          | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.  |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).   |

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

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Burning sensation. Prolonged contact may cause redness and irritation. |
|-----------------|--|

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

|                        |                        |
|------------------------|------------------------|
| <b>Note to doctors</b> | Treat symptomatically. |
|------------------------|------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                       |   |
|---------------------------------------|---|
| <b>Suitable Extinguishing Media</b>   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| <b>Unsuitable extinguishing media</b> | Full water jet. Do not scatter spilled material with high pressure water streams.                       |

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

|   |                           |
|---|---------------------------|
| <b>Specific hazards arising from the chemical</b> | No information available. |
|---|---------------------------|

### 5.3. Advice for firefighters

|   |  |
|---|--|
| <b>Special protective equipment and precautions for fire-fighters</b> | 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

|                             |   |
|-----------------------------|---|
| <b>Personal precautions</b> | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. |
| <b>Other information</b>    | Refer to protective measures listed in Sections 7 and 8.                                  |

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

## 6.2. Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

## 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** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

### 7.3. Specific end use(s)

**Specific use(s)**  
Sealant.

**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

| Chemical name  | European Union                  | Ireland | United Kingdom |
|--|---------------------------------|---------|----------------|
| Silicic acid, sodium salt (MR >1.6-2.6)<br>1344-09-8 | 15 min TWA<br>Mg/m <sup>3</sup> | -       |                |

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

| Derived No Effect Level (DNEL)                      |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Silicic acid, sodium salt (MR >1.6-2.6) (1344-09-8) |                |                                |               |
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term                                 | Inhalation     | 5.61 mg/m <sup>3</sup>         |               |

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|   |        |                 |  |
|---|--------|-----------------|--|
| Systemic health effects<br>worker<br>Long term<br>Systemic health effects | Dermal | 1.59 mg/kg bw/d |  |
|---|--------|-----------------|--|

| Derived No Effect Level (DNEL)                      |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Silicic acid, sodium salt (MR >1.6-2.6) (1344-09-8) |                |                                |               |
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects    | Inhalation     | 1.38 mg/m <sup>3</sup>         |               |
| Consumer<br>Long term<br>Systemic health effects    | Dermal         | 0.8 mg/kg bw/d                 |               |
| Consumer<br>Long term<br>Systemic health effects    | Oral           | 0.8 mg/kg bw/d                 |               |

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

| Predicted No Effect Concentration (PNEC)            |  |
|---|--|
| Silicic acid, sodium salt (MR >1.6-2.6) (1344-09-8) |  |
| Environmental compartment                           | Predicted No Effect Concentration (PNEC) |
| Freshwater  | 7.5 mg/l                                 |
| Marine water  | 1 mg/l                                   |
| Sewage treatment plant                              | 348 mg/l                                 |

## 8.2. Exposure controls

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

### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles). Avoid contact with eyes.  
**Hand protection** Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature.  
**Skin and body protection** Suitable protective clothing.  
**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Environmental exposure controls** No information available.

## SECTION 9: Physical and chemical properties

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

**Physical state** Liquid  
**Appearance** Paste  
**Colour** light brown  
**Odour** Odourless.  
**Odour threshold** Not applicable

| Property                                | Values            | Remarks • Method |
|---|-------------------|------------------|
| Melting point / freezing point          | No data available |                  |
| Initial boiling point and boiling range | No data available | None known       |
| Flammability                            | No data available | None known       |
| Flammability Limit in Air               |                   | None known       |

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|  |                          |            |
|--|--------------------------|------------|
| 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                                     | 9 - 11                   |            |
| pH (as aqueous solution)               | No data available        | None known |
| Kinematic viscosity                    | No data available        | None known |
| Dynamic viscosity                      | No data available        |            |
| Water solubility                       | 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                       | 2                        | None known |
| Bulk Density                           | No data available        |            |
| Liquid Density                         | No data available        |            |
| Relative vapour density                | No data available        | None known |
| Particle characteristics               |                          |            |
| Particle Size                          | No information available |            |
| Particle Size Distribution             | No information available |            |

## 9.2. Other information

|                   |                          |
|-------------------|--------------------------|
| 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

Conditions to avoid None known based on information supplied.

### 10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

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## 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition can lead to release of toxic/corrosive gases and vapours: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide.

## 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

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available.  |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.                |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. May cause irritation. Causes mild skin irritation.                               |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. |

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

**Symptoms** Redness. Burning. May cause blindness. Prolonged contact may cause redness and irritation.

#### Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

#### Component Information

| Chemical name                           | Oral LD50                       | Dermal LD50                          | Inhalation LC50 |
|---|---------------------------------|--------------------------------------|-----------------|
| Silicic acid, sodium salt (MR >1.6-2.6) | =3400 mg/kg (Rattus) (OECD 401) | > 4640 mg/kg (Oryctolagus cuniculus) | -               |

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

|  |   |
|--|---|
| <b>Skin corrosion/irritation</b>         | May cause skin irritation. Classification based on data available for ingredients.                    |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes. |
| <b>Respiratory or skin sensitisation</b> | Based on available data, the classification criteria are not met.                                     |
| <b>Germ cell mutagenicity</b>            | Based on available data, the classification criteria are not met.                                     |
| <b>Carcinogenicity</b>                   | Based on available data, the classification criteria are not met.                                     |

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**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

| Chemical name                                     | Algae/aquatic plants | Fish  | Toxicity to microorganisms | Crustacea                             | M-Factor | M-Factor (long-term) |
|---|----------------------|---|----------------------------|---------------------------------------|----------|----------------------|
| Silicic acid, sodium salt (MR >1.6-2.6) 1344-09-8 | -                    | LC50 96 h 301 - 478 mg/L (Lepomis macrochirus ) | -                          | EC50 96 h = 216 mg/L (Daphnia magna ) |          |                      |

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

### 12.4. Mobility in soil

**Mobility in soil** No information available.

### 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB.

| Chemical name                           | PBT and vPvB assessment                                       |
|---|---|
| Silicic acid, sodium salt (MR >1.6-2.6) | The substance is not PBT / vPvB PBT assessment does not apply |

### 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.



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## 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>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**

### 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  |
| 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

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

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

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## 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)

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

Not applicable

### **Persistent Organic Pollutants**

Not applicable

## National regulations

### 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**

H315 - Causes skin irritation

H318 - Causes serious eye damage

H335 - May cause respiratory irritation

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

#### **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

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| 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** 17-Aug-2022

**Revision note** SDS sections updated 2 9

**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

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**