

This safety data sheet was created pursuant to the requirements of:  
UK REACH Regulations (SI 2019/758 as amended)

Revision date 29-Apr-2025

Revision Number 1

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

### 1.1. Product identifier

|                          |                                         |
|--------------------------|-----------------------------------------|
| Product Code(s)          | 126262                                  |
| Safety data sheet number | 126262                                  |
| Product Name             | CAB-O-SIL MS-75D UNTREATED FUMED SILICA |
| Form                     | nanofom                                 |
| EC Number                | 231-545-4                               |
| CAS No                   | 112945-52-5                             |
| Synonyms                 | CABOSIL M7D                             |
| Pure substance/mixture   | Substance                               |

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

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended use | Various<br>Rheological control<br>Flow agent<br>Anticaking agent<br>Anti-blocking agent<br>Anti-set-off agent<br>Spray Aid<br>Thickening agent<br>Carrier<br>Viscosity control agent<br>Glossing or matting agent<br>Chemical intermediate<br>Stabilization agent<br>Filler<br>Reinforcing agent<br>Coatings<br>Adhesives and/or sealants<br>Silicone elastomer<br>Rubber products<br>suspension<br>dispersion<br>Batteries<br>Cosmetics<br>Ink and toners<br>paint<br>Hygiene and sanitary products |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

**Supplier**

Univar Solutions UK Ltd  
Aquarius House  
6 Mid Point Business Park  
Bradford  
GBR

For further information, please contact

**E-mail address** SDS.EMEA@univarsolutions.com

Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

**1.4. Emergency telephone number**

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

**SECTION 2: Hazards identification**

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

Not classified

**2.2. Label elements**

Not classified

**Hazard statements**

Not classified

EUH210 - Safety data sheet available on request

**2.3. Other hazards**

May cause mechanical irritation. Dust may be irritating to respiratory tract.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

| Chemical name                                        | Weight-%  | EC No (EU Index No) | UK REACH registration number | Classification according to GB CLP (SI 2020/1567 as amended) | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|------------------------------------------------------|-----------|---------------------|------------------------------|--------------------------------------------------------------|------------------------------------|----------|----------------------|
| SYNTHETIC AMORPHOUS, PYROGENIC SILICA<br>112945-52-5 | 90 - 100% | 231-545-4           | -                            | Not Classified                                               | -                                  | -        | -                    |

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

#### Additional information

Synthetic Amorphous Silica: 01-2119379499-16 , EINECS RN 231-545-4

Regulatory information is found under the general silica: CAS RN 7631-86-9 , EINECS RN 231-545-4.

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (UK REACH Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|              |                                                                                                                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.                                 |
| Eye contact  | 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. Get medical attention if symptoms occur. |
| Skin contact | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if symptoms occur.                                                   |
| Ingestion    | Rinse mouth thoroughly with water. Do NOT induce vomiting. Get medical attention if symptoms occur.                                                                                                   |

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

|           |                                                               |
|-----------|---------------------------------------------------------------|
| Eyes      | Dust contact with the eyes can lead to mechanical irritation. |
| Ingestion | Gastrointestinal discomfort                                   |

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

|                 |                        |
|-----------------|------------------------|
| Note to doctors | Treat symptomatically. |
|-----------------|------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------|
| Suitable Extinguishing Media   | Silica is non-combustible, therefore no extinguishing media needs to be identified. |
| Large Fire                     | CAUTION: Use of water spray when fighting fire may be inefficient.                  |
| Unsuitable extinguishing media | 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 | None known. |
| Hazardous combustion products              | None.       |

### 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. Use personal protection recommended in Section 8. Avoid contact with eyes, skin and clothing. Avoid breathing dust.

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

### 6.2. Environmental precautions

**Environmental precautions** 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** Clean up promptly by vacuum. Use of a vacuum with high efficiency particulate air (HEPA) filtration is recommended. Do not create a dust cloud by using a brush or compressed air. Pick up and transfer to properly labelled containers.

**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 protection recommended in Section 8. Avoid contact with eyes, skin and clothing. Do not breathe dust. Avoid generation of dust. Provide appropriate local exhaust ventilation at machinery and at places where dust can be generated. Do not create a dust cloud by using a brush or compressed air.

Take precautionary measures against static discharge. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations. Fine dust is capable of penetrating electrical equipment and may cause electrical shorts.

**General hygiene considerations** Wash hands before breaks and immediately after handling the product.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Do not store together with volatile chemicals as they may be adsorbed onto product. Store at ambient conditions. Keep in properly labelled containers.

### 7.3. Specific end use(s)

**Specific use(s)**  
See section 1 for more information.

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

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

| Chemical name                                        | United Kingdom                                         |
|------------------------------------------------------|--------------------------------------------------------|
| SYNTHETIC AMORPHOUS, PYROGENIC SILICA<br>112945-52-5 | TWA: 2.4 mg/m <sup>3</sup><br>TWA: 6 mg/m <sup>3</sup> |

**Biological occupational exposure limits** 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) - Workers** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

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

**8.2. Exposure controls**

**Engineering controls** No information available.

**Personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles). Use eye protection according to EN 166.

**Hand protection** Wear suitable gloves. Gloves must conform to standard EN 374.

**Skin and body protection** Wear appropriate clothing to prevent reasonably probable skin contact.

**Respiratory protection** Use appropriate respiratory protection.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                 |                |
|-----------------|----------------|
| Physical state  | Solid          |
| Appearance      | Powder         |
| Colour          | white          |
| Odour           | Odourless.     |
| Odour threshold | Not applicable |

| Property                                | Values  |
|-----------------------------------------|---------|
| Melting point / freezing point          | 1700 °C |
| Initial boiling point and boiling range | 2230 °C |
| Flammability                            |         |

**Remarks • Method**

NIOSH Pocket Guide to Chemical Hazards.  
NIOSH Pocket Guide to Chemical Hazards.  
The product is not flammable. Product resists ignition and does not promote flame spread.

|                                        |                                                            |                           |
|----------------------------------------|------------------------------------------------------------|---------------------------|
| Flammability Limit in Air              |                                                            | Not applicable.           |
| Upper flammability or explosive limits |                                                            |                           |
| Lower flammability or explosive limits |                                                            |                           |
| Flash point                            |                                                            | Not combustible.          |
| Autoignition temperature               |                                                            | Not applicable.           |
| Decomposition temperature              |                                                            | Not applicable.           |
| pH                                     | 3.6 - 4.5                                                  | In-house testing.         |
| pH (as aqueous solution)               |                                                            | No information available. |
| Kinematic viscosity                    |                                                            | Not applicable.           |
| Dynamic viscosity                      |                                                            | Not applicable.           |
| Water solubility                       | Soluble in water                                           | OECD 105.                 |
| Solubility(ies)                        |                                                            | No information available. |
| Partition coefficient                  |                                                            | Not applicable.           |
| Vapour pressure                        |                                                            | No information available. |
| Relative density                       | 2.2                                                        | @ 20 °C.                  |
| Bulk density                           | 30-150 kg/m <sup>3</sup>                                   | DIN/ISO 787:11            |
| Liquid Density                         | No information available                                   | No information available  |
| Relative vapour density                |                                                            | Not applicable.           |
| Particle characteristics               |                                                            | No information available. |
| Particle Size                          | No information available                                   |                           |
| Particle Size Distribution             | No information available                                   |                           |
| Explosive properties                   | Not considered to be explosive.                            |                           |
| Oxidising properties                   | Does not meet the criteria for classification as oxidising |                           |

## 9.2. Other information

# SECTION 10: Stability and reactivity

## 10.1. Reactivity

Reactivity Not reactive. Substance is an inert inorganic solid.

## 10.2. Chemical stability

Stability Stable under normal conditions.

## Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge This material is an inorganic dust and will not create nor support conditions that would result in a dust explosion or fire, Take precautionary measures against static discharges, Avoid generation of dust, All metal parts of the mixing and processing equipment must be earthed/grounded, Ensure all equipment is electrically earthed/grounded before beginning transfer operations.

## 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerisation Hazardous polymerisation does not occur.

## 10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

## 10.5. Incompatible materials

Incompatible materials None known based on information supplied.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** None known based on information supplied.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Information on likely routes of exposure****Product Information**

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Inhalation of dust in high concentration may cause irritation of respiratory system. |
| <b>Eye contact</b>  | Dust contact with the eyes can lead to mechanical irritation.                        |
| <b>Skin contact</b> | Non-irritating during normal use.                                                    |
| <b>Ingestion</b>    | Gastrointestinal discomfort.                                                         |

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

**Symptoms** No information available.

**Acute toxicity****Numerical measures of toxicity**

|                        |              |
|------------------------|--------------|
| <b>ATEmix (oral)</b>   | > 5000 mg/kg |
| <b>ATEmix (dermal)</b> | > 2000 mg/kg |

**Component Information**

| Chemical name                            | Oral LD50            | Dermal LD50             | Inhalation LC50 |
|------------------------------------------|----------------------|-------------------------|-----------------|
| SYNTHETIC AMORPHOUS,<br>PYROGENIC SILICA | > 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | -               |

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

**Skin corrosion/irritation** Non-irritating during normal use.

| Method                                                  | Species | Exposure route | Effective dose | Exposure time | Results                               |
|---------------------------------------------------------|---------|----------------|----------------|---------------|---------------------------------------|
| OECD Test No. 404: Acute<br>Dermal Irritation/Corrosion |         | Dermal         |                | 24 hours      | Not classified<br>Product score = 0/8 |

**Serious eye damage/eye irritation** Dust contact with the eyes can lead to mechanical irritation.

| Method                                               | Species | Exposure route | Effective dose | Exposure time | Results                  |
|------------------------------------------------------|---------|----------------|----------------|---------------|--------------------------|
| OECD Test No. 405: Acute<br>Eye Irritation/Corrosion | Rabbit  | eye            |                | 24 hours      | Product score<br>1.0/110 |

**Respiratory or skin sensitisation** No experimental animal data are available. No cases of sensitization in humans have been reported.

**Germ cell mutagenicity** Did not show mutagenic effects in animal experiments.

Product Information

| Method                                                                                     | Species | Results       |
|--------------------------------------------------------------------------------------------|---------|---------------|
| Ames Test                                                                                  |         | Not mutagenic |
| OECD Test No. 486: Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo |         | Negative      |
| Chromosome aberration test                                                                 | Hamster | Negative      |

**Carcinogenicity** No evidence of carcinogenicity was observed in multiple animal species following repeated oral or inhalation exposure to amorphous silica. Similarly, epidemiology studies show no evidence of carcinogenicity in workers who manufacture amorphous silica.

**Reproductive toxicity** This product does not contain any known or suspected reproductive hazards.

**STOT - single exposure** Based on available data, specific target organ toxicity is not expected after single oral, single inhalation, or single dermal exposure.

**STOT - repeated exposure** Repeated dose toxicity: oral (rat), 2 weeks to 6 months, no significant treatment-related adverse effects at doses of up to 8% silica in the diet.

Repeated dose toxicity: inhalation (rat), 13 weeks, Lowest Observed Effect Level (LOEL) = 1.3 mg/m<sup>3</sup> based on mild reversible effects in the lungs.

Repeated dose toxicity: inhalation (rat), 90 days, LOEL = 1 mg/m<sup>3</sup> based on reversible effects in the lungs and effects in the nasal cavity.

Repeated dose toxicity using SAS 400 m2/g: inhalation (rat), 90 days, fully reversible inflammation related to clearance processes following recovery period. NOAEC (lung) based on histopathology and inflammatory marker is 5 mg/m<sup>3</sup>.

Based on available data, a STOT-RE classification is not warranted.

**Aspiration hazard** Based on available data the classification criteria are not met.

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Not considered to be harmful to aquatic life.

| Method                                                    | Species                | Endpoint type | Effective dose      | Exposure time | Results |
|-----------------------------------------------------------|------------------------|---------------|---------------------|---------------|---------|
| OECD Test No. 203: Fish, Acute Toxicity Test              | Fish Brachydanio rerio | LC50          | > 10000 mg/L        | 96 hours      |         |
| OECD Test No. 202: Daphnia sp., Acute Immobilisation Test | Daphnia magna          | EL - EL50     | > 1000 - 10000 mg/L |               |         |

**12.2. Persistence and degradability**

**Persistence and degradability** The methods for determining biodegradability are not applicable to inorganic substances.

SYNTHETIC AMORPHOUS, PYROGENIC SILICA (112945-52-5)

| Method | Exposure time | Value | Results        |
|--------|---------------|-------|----------------|
|        |               |       | Not applicable |

**12.3. Bioaccumulative potential**

**Bioaccumulation** Not expected due to physicochemical properties of the substance.

**12.4. Mobility in soil**

**Mobility in soil** Soluble in water.

**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         |
|---------------------------------------|---------------------------------|
| SYNTHETIC AMORPHOUS, PYROGENIC SILICA | The substance is not PBT / vPvB |

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**SECTION 14: Transport information****IATA**

**14.1 UN number or ID number** Not regulated

**14.2**

**14.3 Transport hazard class(es)** Not regulated

**14.4 Packing group** Not regulated

**14.5 Environmental hazards** No

**14.6 Special precautions for user**  
**Special Provisions** None

**IMDG**

**14.1 UN number or ID number** Not regulated

**14.3 Transport hazard class(es)** Not regulated

**14.4 Packing group** Not regulated

**14.5 Environmental hazards** No

**14.6 Special precautions for user**  
**Special Provisions** None

**14.7 Maritime transport in bulk** No information available

according to IMO instruments

**RID**

|                                   |               |
|-----------------------------------|---------------|
| 14.1 UN number or ID number       | Not regulated |
| 14.2 UN proper shipping name      | Not regulated |
| 14.3 Transport hazard class(es)   | Not regulated |
| 14.4 Packing group                | Not regulated |
| 14.5 Environmental hazards        | No            |
| 14.6 Special precautions for user |               |
| Special Provisions                | None          |

**ADR**

|                                   |               |
|-----------------------------------|---------------|
| 14.1 UN number or ID number       | Not regulated |
| 14.2 UN proper shipping name      | Not regulated |
| 14.3 Transport hazard class(es)   | Not regulated |
| 14.4 Packing group                | Not regulated |
| 14.5 Environmental hazards        | No            |
| 14.6 Special precautions for user |               |
| Special Provisions                | None          |

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

This product does not contain substances subject to restriction (UK REACH - Annex XVII).

**Persistent Organic Pollutants**

Not applicable

**Export Notification requirements**

Not applicable

**Named dangerous substances per COMAH Regulations 2015 (as amended)**

Not applicable

**The Ozone-Depleting Substances Regulations 2015**

Not applicable

**The Biocidal Products Regulations 2001 (as amended)**

Not applicable

**The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)**

Not applicable

**Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)**

Not applicable

**International Inventories****TSCA**

Contact supplier for inventory compliance status

**DSL/NDSL**

Contact supplier for inventory compliance status

**EINECS/ELINCS**

Contact supplier for inventory compliance status

**ENCS**

Contact supplier for inventory compliance status

**IECSC**

Contact supplier for inventory compliance status

|       |                                                  |
|-------|--------------------------------------------------|
| KECI  | Contact supplier for inventory compliance status |
| PICCS | Contact supplier for inventory compliance status |
| AIIC  | Contact supplier for inventory compliance status |
| NZIoC | Contact supplier for inventory compliance status |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIIC** - Australian Inventory of Industrial Chemicals  
**NZIoC** - New Zealand Inventory of Chemicals

**15.2. Chemical safety assessment**

**Chemical Safety Report** No Chemical Safety Assessment has been carried out for this substance/mixture

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorisation:

**Legend Section 8: Exposure controls/personal protection**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |
| +       | Sensitisers                 |      |                                  |

Revision Note \*\*\*Indicates updated data since last publication

**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**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)  
Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
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  
World Health Organization

**Prepared By** Lisa Bland

**Revision date** 29-Apr-2025

**This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)  
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**

**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**