# SAFETY DATA SHEET

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

**Supercedes date** 06-May-2025 **Revision date** 17-Jun-2025 **Revision Number** 10

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

### 1.1. Product identifier

| | |
|---|---|
| **Product Code(s)** | 49395 |
| **Safety data sheet number** | 49395 |
| **Product Name** | SODIUM CHLORIDE |
| **EC Number** | 231-598-3 |
| **CAS No** | 7647-14-5 |
| **Synonyms** | Salt, ROCK SALT, SALT PDV, SEA SALT, SANAL P, SUPERSEL GRADES, SALT TABLETS, ROCK SALT WHITE, SNOW CLEAR, SALT MICROFINE, SALT AQUA DUXION 15/25, SALT WATERSOFT REGESAL GRAN, NATRIUMKLORID VACUUM COMPACTED 6-1, SALT IND K1.4-0.4, SALT BROXETTEN, SODIUM CHLORIDE (PDV) INDUSTRIAL, SEL ADOU. D'EAU AXAL PRO, SODIUM CHLORIDE (PDV) FCC ED.7, SODIUM CHLORIDE (PDV) ESCO, SALT HYDROSOFT GRAN, SALT REGENIT TABLETS, SALT IND REF STD, SUPERFINE S, SALT TABLETS CLARAMAT, SALT INDUSTRIAL K 3.2/1.5, GRITTING SALT, SOD CHLORIDE VACUUM FG ALA, AQUASOL, MARINA PLUS SALT TAB ESCO53758, SALT GRANULAR HYDROSOFT, SALT PDV IND, SALT WATERSOFTENER K 18-5, SUPRASEL MICROZO PDV, SOD CHLORIDE SUPRASEL PDV, DEAD SEA SALT MPSC2, COMPACT SALT 6/15, SALT IND K0,7/0,16 O&G, MEDIO SEA SALT, SOD CHLORIDE PDV DENDRITIC, FINE/THIN DRY PURIFIED SALT, CALCIOSINE, ESCO PDV SALT, SODIUM CHLORIDE PH, DRILLING SALT PVD O&G, APISAL SOD CHLORIDE, SALT PELLET AQUA NATURE, SALT PELLET AQUA CLASSIC, SALT BROXO TAB, SEA SALT FINE, REFINED SALT 170 MICRON, SOD CHLOR SUPRASEL XFINE HNO, SODIUM CHLORIDE PE U, FINE DRY SALT FOOD N-TREATS, FINE DRY SALT FG UNTREATED, DRY SEA SALT T3 INA, SOD CHLORIDE EP, SOD CHLORIDE PH EUR USP, SOD CHLORIDE EP MCS, PDV SALT TAB, PDV SALT EXTRAFINE FG, PDV SALT MICROFINE FG, DRY SEA SALT TYPE 1, SALT AQUA EXCELL |
| **Pure substance/mixture** | Substance |
| **Molecular weight** | 58.44 |

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

| | |
|---|---|
| **Recommended use** | Industrial application<br>Pharmaceuticals<br>Food industry<br>Water Treatment<br>Intermediate<br>Antifreeze<br>De-Icer |

### 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

### 2.3. Other hazards

No information available.

## 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) |
|---|---|---|---|---|---|---|---|
| SODIUM CHLORIDE 7647-14-5 | > 98 % | 231-598-3 | - | Not Classified | - | - | - |

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

This product does not contain candidate substances of very high concern at a concentration >= 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. Drink plenty of water. 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. Redness.

**Dermal** May cause slight irritation.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea

### 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** Dry chemical, CO2, alcohol-resistant foam or water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**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** Non-combustible. When heated and in case of fire, toxic vapours/gases may be formed.

**Hazardous combustion products** Carbon oxides. Hydrogen chloride. Phosgene. Chlorine. Sodium.

### 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. Do not breathe dust. Avoid generation of 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** Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Take up mechanically, placing in appropriate containers for disposal. Do not allow run-off from fire-fighting to enter drains or water courses.

**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.

**General hygiene considerations** Do not eat, drink or smoke when using the product. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Protect from moisture. Strong oxidising agents. Strong acids. Strong bases. Metals.

### 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** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**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**

| Chemical name | Oral | Dermal | Inhalation |
|---|---|---|---|
| SODIUM CHLORIDE<br>7647-14-5 | | 295.52 mg/kg bw/day [4] [6]<br>295.52 mg/kg bw/day [4] [7] | 2068.62 mg/m³ [4] [6]<br>2068.62 mg/m³ [4] [7] |

**[4]** Systemic health effects.
**[6]** Long term.
**[7]** Short term.

**Derived No Effect Level (DNEL) - General Public**

| Chemical name | Oral | Dermal | Inhalation |
|---|---|---|---|
| SODIUM CHLORIDE<br>7647-14-5 | 126.65 mg/kg bw/day [4] [6]<br>126.65 mg/kg bw/day [4] [7] | 126.65 mg/kg bw/day [4] [6]<br>126.65 mg/kg bw/day [4] [7] | 443.28 mg/m³ [4] [6]<br>443.28 mg/m³ [4] [7] |

**[4]** Systemic health effects.
**[6]** Long term.
**[7]** Short term.

**Predicted No Effect Concentration (PNEC)**

| Chemical name | Freshwater | Freshwater (intermittent release) | Marine water | Marine water (intermittent release) | Air |
|---|---|---|---|---|---|
| SODIUM CHLORIDE<br>7647-14-5 | 5 mg/L | 19 mg/l | | | |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|---|---|---|---|---|---|
| SODIUM CHLORIDE<br>7647-14-5 | | | 500 mg/L | 4.86 mg/kg soil dw | |

**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** 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 must conform to standard EN 374.

| Gloves | | | |
|---|---|---|---|
| Duration of contact | PPE - Glove material | Glove thickness | Break through time |
| | Wear protective nitrile rubber gloves | | |

| | | | |
|---|---|---|---|
| | Wear protective Neoprene™ gloves | | |

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

**Respiratory protection** Use appropriate respiratory protection.
P1. or. Dust filter P3 (for especially fine dust/powder). Particulates filter conforming to EN 143.

**General hygiene considerations** Do not eat, drink or smoke when using the product. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Solid |
| **Appearance** | solid granules Crystals tablet |
| **Colour** | Colourless., to, White |
| **Odour** | Odourless. |
| **Odour threshold** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **Melting point / freezing point** | 800 - 802 °C | |
| **Initial boiling point and boiling range** | 1413 - 1465 °C | |
| **Flammability** | | No information available. |
| **Flammability Limit in Air** | | Not applicable. |
| **Upper flammability or explosive limits** | | |
| **Lower flammability or explosive limits** | | |
| **Flash point** | | Not applicable. |
| **Autoignition temperature** | | Not applicable. |
| **Decomposition temperature** | > 804 | |
| **pH** | 6 - 10 | |
| **pH (as aqueous solution)** | | No information available. |
| **Kinematic viscosity** | | Not applicable. |
| **Dynamic viscosity** | | Not applicable. |
| **Water solubility** | Soluble in water 35.85 g/l @ 20 °C | |
| **Solubility(ies)** | | No information available. |
| **Partition coefficient** | log Pow: -3 | |
| **Vapour pressure** | 2.4 | |
| **Relative density** | 2.16 - 2.17 | |
| **Bulk density** | 1000 - 1300 kg/m³ | No information available |
| **Liquid Density** | No information available | No information available |
| **Relative vapour density** | | No information available. |
| **Particle characteristics** | | No information available. |
| **Particle Size** | 1.293 mm | |
| **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**

| | |
|---|---|
| **Molecular weight** | 58.44 |

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

**Reactivity** Stable under recommended storage conditions.

**10.2. Chemical stability**

**Stability** Stable under recommended storage conditions. Hygroscopic.

**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** Protect from moisture. Air. Keep away from heat, sparks and open flame.

**10.5. Incompatible materials**

**Incompatible materials** Water. Strong acids. Metals. Strong oxidising agents.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Carbon oxides. Hydrogen chloride. Phosgene. Chlorine. Sodium.

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Inhalation of dust in high concentration may cause irritation of respiratory system.

**Eye contact** Dust contact with the eyes can lead to mechanical irritation.

**Skin contact** May cause slight irritation.

**Ingestion** May cause discomfort if swallowed.

**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 |
|---|---|---|---|
| SODIUM CHLORIDE | > 3500 mg/kg (Rat) | 10000 mg/kg (Rabbit) | > 42 mg/L ( Rat ) 1 h |

**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.

SODIUM CHLORIDE (7647-14-5)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| | | | | | Brief contact is essentially non-irritating to skin. Prolonged contact may cause slight skin irritation with local redness May cause more severe response if skin is abraded (scratched or cut). |

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

SODIUM CHLORIDE (7647-14-5)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| | | | | | May cause slight eye irritation Dust may irritate eyes |

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

SODIUM CHLORIDE (7647-14-5)

| Method | Species | Exposure route | Results |
|---|---|---|---|
| | | Inhalation | No signs of respiratory sensitization have been reported. |

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

Component Information
SODIUM CHLORIDE (7647-14-5)

| Method | Species | Results |
|---|---|---|
| | in vitro | Negative |
| | | Negative Did not show mutagenic effects in animal experiments |

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

Component Information
SODIUM CHLORIDE (7647-14-5)

| Method | Species | Results |
|---|---|---|
| | | Did not cause cancer in laboratory animals. |

**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.

SODIUM CHLORIDE (7647-14-5)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| | | | | | Evaluation of available data suggests that this material is not an STOT-SE toxicant |

**STOT - repeated exposure** Based on available data the classification criteria are not met.

Component Information
SODIUM CHLORIDE (7647-14-5)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| | | | | | Medical experience with sodium chloride has shown a strong association between elevated blood pressure and prolonged dietary overuse. Related effects could occur in the kidneys. |

**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.

SODIUM CHLORIDE (7647-14-5)

| Method | Species | Endpoint type | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| OECD Test No. 203: Fish, Acute Toxicity Test | Lepomis macrochirus | LC50 | 5840 mg/L | 96 hours | Harmless to aquatic organisms up to the tested concentration |
| OECD Test No. 203: Fish, Acute Toxicity Test | Pimephales promelas | LC50 | 10610 mg/L | 96 hours | Harmless to aquatic organisms up to the tested concentration |
| OECD Test No. 203: Fish, Acute Toxicity Test | Daphnia magna | EC50 | 1900 mg/L | 48 hours | Harmless to aquatic organisms up to the tested concentration |
| OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test | Algae | EC50 | 2430 mg/L | 120 hours | Harmless to aquatic organisms up to the tested concentration |
| OECD Test No. 209: Activated Sludge, Respiration Inhibition Test | activated sludge | IC50 | > 1000 mg/L | | Harmless to aquatic organisms up to the tested concentration |

| | | | | | |
|---|---|---|---|---|---|
| (Carbon and Ammonium Oxidation) | | | | | |
| Chronic aquatic toxicity | Pimephales promelas | NOEC | 252 mg/L | 33 days | Harmless to aquatic organisms up to the tested concentration |
| Chronic aquatic toxicity | Daphnia pulex | NOEC | 314 mg/L | 21 days | Harmless to aquatic organisms up to the tested concentration |

### 12.2. Persistence and degradability

**Persistence and degradability** Biodegradable.

SODIUM CHLORIDE (7647-14-5)

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

### 12.3. Bioaccumulative potential

**Bioaccumulation** MATERIAL DOES NOT BIOACCUMULATE.

### 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 |
|---|---|
| SODIUM CHLORIDE | 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 |
| **14.2 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 |
| **14.7 Maritime transport in bulk according to IMO instruments** | No information available |

**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/NDSL** - 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 information available

## 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 SDS sections updated 1

| 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 |
| **Supercedes date** | 06-May-2025 |
| **Revision date** | 17-Jun-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**