# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
**US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200)**

**BUILDERS BLOCK - MS**
**Revision Number** 1.01

**Revision date** 25-Sep-2026
**Supersedes date** 24-Sep-2020

## 1. Identification

**Product identifier**

**Product Name** BUILDERS BLOCK - MS

**Other means of identification**
**Other information** Not applicable

**Recommended use of the chemical and restrictions on use**

**Recommended use** No information available
**Restrictions on use** No information available

**Details of the supplier of the safety data sheet**

**Responsible Party**
Bostik Inc.
11320 W. Watertown Plank Road
Wauwatosa, Wisconsin 53226 USA
Phone: +1(800) 726-7845 (Domestic Toll Free)
Phone: +1 (414) 774-2250 (International)

**E-mail address**
For regulatory and SDS-related questions, please contact a Bostik representative at https://www.bostik.com/us/en_US/customer-support/

**Emergency telephone number**
CHEMTREC (Chemical Transportation Emergency Center)
Chemtrec: 1-800-424-9300 (US) , 1-703-527-3887 (Outside U.S.)
**Rocky Mountain Poison Center:** 1-866-767-5089

## 2. Hazard(s) identification

**Classification of the substance or mixture**

| | |
|---|---|
| Skin sensitization | Category 1 |

**Hazards not otherwise classified (HNOC)**
Not applicable.

**Label elements**



Warning

**Hazard statements**
May cause an allergic skin reaction.

**Precautionary Statements - Prevention**
Avoid breathing dust, fume, gas, mist, vapors and spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.

If skin irritation or rash occurs: Get medical advice and attention.
Take off contaminated clothing and wash it before reuse.
IF ON SKIN: Wash with plenty of water and soap.

**Precautionary Statements - Disposal**
Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

**Hazards classified under paragraph (d)(1)(ii) of 1910.1200**
No information available.

**Other information**
Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture**

| Chemical name | CAS No. | Weight-% | Trade secret / Unique identifier |
|---|---|---|---|
| Limestone | 1317-65-3 | 40 - 70 | * |
| Carbonic acid, calcium salt (1:1) | 471-34-1 | 1 - <5 | * |
| Trimethoxyvinylsilane | 2768-02-7 | 0.1 - <1 | * |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | 1760-24-3 | 0.1 - <1 | * |
| Quartz | 14808-60-7 | 0.1 - <1 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid measures

**Description of first aid measures**

**General advice** Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.

| | |
|---|---|
| **Inhalation** | Remove to fresh air. If symptoms persist, call a physician. |
| **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. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| **Skin contact** | May cause an allergic skin reaction. Wash with soap and water. Wash contaminated clothing before reuse. In the case of skin irritation or allergic reactions see a physician. |
| **Ingestion** | Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician immediately. Small amounts of toxic methanol are released by hydrolysis. |

**Most important symptoms and effects, both acute and delayed**

| | |
|---|---|
| **Symptoms** | None known. |
| **Effects of Exposure** | No information available. |

**Indication of any immediate medical attention and special treatment needed**

| | |
|---|---|
| **Note to physicians** | Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Treat symptomatically. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable Extinguishing Media** | Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam. |
| **Unsuitable extinguishing media** | Full water jet. |
| **Specific hazards arising from the chemical** | Product is or contains a sensitizer. May cause sensitization by skin contact. Thermal decomposition can lead to release of irritating gases and vapors. |
| **Hazardous combustion products** | Carbon oxides. Carbon dioxide (CO2). Sulfur oxides. |

**Explosion data**

| | |
|---|---|
| **Sensitivity to mechanical impact** | None. |
| **Sensitivity to static discharge** | None. |

| | |
|---|---|
| **Special protective equipment and precautions for fire-fighters** | Wear self contained breathing apparatus for fire fighting if necessary. |

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

| | |
|---|---|
| **Personal precautions** | Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. |

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Use personal protective equipment as required. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

**Prevention of secondary hazards** Residues which cannot be recycled are disposed of as chemical waste. Equipment cleaned with organic solvent, washings are collected and disposed of as solvent waste.

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

## 7. Handling and storage

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

**General hygiene considerations** Wear protective gloves, eye protection and face protection. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Keep away from food, drink and animal feeding stuffs.

**Recommended storage temperature** Keep at temperatures between 50 and 95 °F / 10 and 35 °C.

## 8. Exposure Controls/Personal Protection

**Control Parameters**

**Exposure Limits** This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---|---|---|---|
| Limestone<br>1317-65-3 | - | TWA: 15 mg/m³ total dust<br>TWA: 5 mg/m³ respirable fraction<br>(vacated) TWA: 15 mg/m³ total dust<br>(vacated) TWA: 5 mg/m³ respirable fraction | TWA: 10 mg/m³; total dust<br>TWA: 5 mg/m³; respirable dust |

| | | | |
|---|---|---|---|
| Carbonic acid, calcium salt (1:1)<br>471-34-1 | - | TWA: 15 mg/m³ total dust<br>TWA: 5 mg/m³ respirable fraction<br>(vacated) TWA: 15 mg/m³ total dust<br>(vacated) TWA: 5 mg/m³ respirable fraction | TWA: 10 mg/m³; total dust<br>TWA: 5 mg/m³; respirable dust |
| Quartz<br>14808-60-7 | TWA: 0.025 mg/m³ respirable particulate matter | TWA: 50 µg/m³<br>(vacated) TWA: 0.1 mg/m³ respirable dust<br>: (250)/(%SiO2 + 5) mppcf TWA respirable fraction<br>: (10)/(%SiO2 + 2) mg/m³ TWA respirable fraction | IDLH: 50 mg/m³ respirable dust<br>TWA: 0.05 mg/m³ respirable dust |

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---|---|---|---|
| Methyl alcohol<br>67-56-1 | TWA: 200 ppm<br>STEL: 250 ppm<br>pSk | TWA: 200 ppm<br>TWA: 260 mg/m³<br>(vacated) TWA: 200 ppm<br>(vacated) TWA: 260 mg/m³<br>(vacated) STEL: 250 ppm<br>(vacated) STEL: 325 mg/m³<br>Sdv | TWA: 200 ppm;<br>TWA: 260 mg/m³;<br>STEL: 250 ppm<br>STEL: 325 mg/m³<br>IDLH: 6000 ppm |

**Note** See section 16 for terms and abbreviations.

**Other information on limit values** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Biological occupational exposure limits** This product, as supplied, contains materials that do not have reportable biological exposure limits or are not subject to the reporting requirements of the local jurisdiction.

**Appropriate engineering controls**

**Engineering controls** Showers
Eyewash stations
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

**Hand protection** Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** Use appropriate respiratory protection. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

## 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Appearance** | Paste |
| **Physical state** | Solid |
| **Color** | light brown |
| **Odor (includes odor threshold)** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **Melting point / freezing point** | No data available | None known |
| **Boiling point (or initial boiling point or boiling range)** | No data available | None known |
| **Flammability** | No data available | None known |
| **Flammability Limit in Air** | | None known |
| **Upper flammability or explosive limits** | No data available | |
| **Lower flammability or explosive limits** | No data available | |
| **Flash point** | > 93.3 °C / 200 °F | None known |
| **Autoignition temperature** | No data available | None known |
| **Decomposition temperature** | No data available | None known |
| **SADT (°C)** | No data available | None known |
| **pH** | No data available | None known |
| **pH (as aqueous solution)** | No data available | None known |
| **Kinematic viscosity** | No data available | None known |
| **Dynamic viscosity** | 1700 - 3800 Pa.s | None known |
| **Solubility** | No data available | None known |
| **Water solubility** | Insoluble in water | Reacts with water |
| **Partition coefficient n-octanol/water (log value)** | No data available | None known |
| **Vapor pressure (includes evaporation rate)** | No data available | None known |
| **Evaporation rate** | No data available | None known |
| **Density and/or relative density** | No data available | None known |
| **Bulk density** | No data available | |
| **Liquid Density** | 1.84 g/cm³ | |
| **Relative vapor density** | No data available | None known |
| **Particle characteristics** | | Not applicable |
| **Particle Size** | No data available | |
| **Particle Size Distribution** | No data available | |

**Other information**

| | |
|---|---|
| **VOC content** | 1 % < 10 g/L |
| **Solid content (%)** | No information available |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | Product cures with moisture. |
| **Chemical stability** | Stable under normal conditions. |
| **Possibility of hazardous reactions** | None under normal processing. |
| **Conditions to avoid** | Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition. |
| **Incompatible materials** | None known based on information supplied. |

**Hazardous decomposition products** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## 11. Toxicological information

**Information on likely routes of exposure**

**Product Information**

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

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

**Skin contact** May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

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

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

**Symptoms** None known.

**Acute toxicity** No information available.

**Numerical measures of toxicity**

The following ATE values have been calculated for the mixture

| | |
|---|---|
| ATEmix (oral) | >5000 mg/kg |
| ATEmix (dermal) | >5000 mg/kg |
| ATEmix (inhalation-gas) | >20000 ppm |
| ATEmix (inhalation-vapor) | >20 mg/L |
| ATEmix (inhalation-dust/mist) | >5 mg/L |

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Limestone | >5000 mg/kg (Rattus) | - | - |
| Carbonic acid, calcium salt (1:1) | LD50 > 2000 mg/kg (Rattus) OECD 420 | LD50 >2000 mg/kg (Rattus) OECD 402 | LC50 (4h) >3mg/ml (Rattus) |
| Trimethoxyvinylsilane | LD50 = 7120 -7236 mg/kg (Rattus) OECD 401 | = 3540 mg/kg (Oryctolagus cuniculus) | LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403 |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | =2295 mg/kg (Rattus) | >2000 mg/Kg (Rattus) | LC50 4H (Aerosol)1.5 - 2.44 mg/L air |
| Quartz | =6450 mg/kg (Rattus) | - | - |

**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.

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| | Rabbit | Dermal | 0.5 mL | 24 hours | Non-irritant |

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| OECD Test No. 404: Acute Dermal Irritation/Corrosion | Rabbit | | | | Mild skin irritant |

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

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit | eye | | 24 hours | Non-irritant |

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit | eye | | | Eye Damage |

**Respiratory or skin sensitization** May cause an allergic skin reaction.

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

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Results |
|---|---|---|
| OECD Test No. 471: Bacterial Reverse Mutation Test | in vitro | Not mutagenic |

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

| Method | Species | Results |
|---|---|---|
| OECD Test No. 471: Bacterial Reverse Mutation Test | Mammalian cells in vitro | Negative |
| OECD Test No. 476: In Vitro Mammalian Cell Gene Mutation Tests using the Hprt and xprt genes | Mammalian cells in vitro | Negative |

**Carcinogenicity** This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| Quartz | A2 - Suspected human carcinogen | Group 1 - Carcinogenic to humans | Known human carcinogen | Present |

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

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Results |
|---|---|---|
| OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening | Rat | Not Classifiable |

| | | |
|---|---|---|
| Test | | |

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

| Method | Species | Results |
|---|---|---|
| OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test | Rat<br>Oral | NOAEL >500 mg/Kg |

**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.

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| OECD Test No. 413: Subchronic Inhalation Toxicity: 90-day Study | Rat | Inhalation vapor | | 90 days | 0.058 NOAEL |

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test | Rat | Subacute oral toxicity gavage | | 28 days | NOAEL >500 mg/kg |

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

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information

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

**Aquatic ecotoxicity**

**Component Information**

| Chemical name | Fish | Crustacea | Algae/aquatic plants | Toxicity to microorganisms |
|---|---|---|---|---|
| Limestone | CL50 (96h)>10000mg/L (Oncorhynchus mykiss) | CE50 (48h) >1000 mg/L Daphnia Magna | CE50 (72h) >200mg/L Algae (Desmondesmus subspicatus) | - |
| Carbonic acid, calcium salt (1:1) | CL50 96H >1000 mg/l | EC50 48H Daphnia >1000 mg/l | IC50 72H Algae >1000 mg/l | - |
| Trimethoxyvinylsilane | LC50 (96h) = 191 mg/l (Oncorhynchus mykiss) | EC50(48hr) 168.7mg/l (Daphnia magna) | EC 50 (72h) > 957 mg/l (Desmodesmus | - |

| | | | | |
|---|---|---|---|---|
| | | | subspicatus)<br>EU Method C.3 | |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | LC50 (96H) =597 mg/L (Danio rerio)Semi-static | EC50 (48h) =81mg/L Daphnia magna Static | - | - |

**Persistence and degradability** No information available.

Trimethoxyvinylsilane (2768-02-7)

| Method | Exposure time | Value | Results |
|---|---|---|---|
| OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F) | 28 days | BOD | 51 % Not readily biodegradable |

**Bioaccumulative potential**

| Chemical name | Partition coefficient | Bioconcentration factor (BCF) | Trophic magnification factor (TMF) |
|---|---|---|---|
| Limestone | 0.9 | 0 | - |
| Trimethoxyvinylsilane | 1.1 | - | - |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | -0.3 | - | - |
| Quartz | - | 0 | - |

**Mobility in soil** No information available.

**Other adverse effects** No information available.

## 13. Disposal considerations

**Disposal methods**

**Waste from residues/unused products** Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

**Contaminated packaging** Handle contaminated packages in the same way as the product itself.

## 14. Transport information

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. Regulatory Information

**International Inventories**

| | |
|---|---|
| **TSCA** | Complies |
| **DSL** | Complies |

**Legend:**
**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL** - Canadian Domestic Substances List
**Complies** - The components of this product are either listed or exempt from listing on inventory. Active
**Not Listed** - One or more components of this product are not listed on inventory.

**US Federal Regulations**

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

## 16. Other Information

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

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ADN | Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe) |
| ADR | Agreement concerning the International Carriage of Dangerous Goods by Road (Europe) |
| AIIC | Australian Inventory of Industrial Chemicals |
| ATE | Acute Toxicity Estimate |
| ASTM | American Society for the Testing of Materials |
| bar | Biological Reference Values for Chemical Compounds in the Work Area |
| BAT | Biological tolerance values for occupational exposure |
| BEL | Biological exposure limits |
| bw | Body weight |
| Ceiling | Maximum limit value |
| CMR | Carcinogen, Mutagen or Reproductive Toxicant |
| DOT | Department of Transportation (United States) |
| DSL | Domestic Substances List (Canada) |
| ECEL | Existing Chemical Exposure Limit |
| EmS | Emergency Schedule |
| ENCS | Existing and New Chemical Substances (Japan) |
| EPA | U.S. Environmental Protection Agency |
| GHS | Globally Harmonized System |
| HMIS | Hazardous Materials Identification System |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IBC | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO | International Civil Aviation Organization |
| IECSC | Inventory of Existing Chemical Substances in China |

| | |
|---|---|
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| ISO | International Organization for Standardization |
| KECI | Korean Existing Chemicals Inventory |
| LC50 | Lethal Concentration to 50% of a test population |
| LD50 | Lethal Dose to 50% of a test population (Median Lethal Dose) |
| MARPOL | International Convention for the Prevention of Pollution from Ships |
| NFPA | National Fire Protection Association |
| NIOSH | National Institute for Occupational Safety and Health |
| n.o.s. | Not Otherwise Specified |
| NOAEC | No Observed Adverse Effect Concentration |
| NOAEL | No Observed Adverse Effect Level |
| NOELR | No Observable Effect Loading Rate |
| NTP | National Toxicology Program (United States) |
| NZIoC | New Zealand Inventory of Chemicals |
| OECD | Organization for Economic Cooperation and Development |
| OEL | Occupational exposure limits |
| OSHA | Occupational Safety and Health Administration of the US Department of Labor |
| PBT | Persistent, Bioaccumulative and Toxic substance |
| PICCS | Philippines Inventory of Chemicals and Chemical Substances |
| PMT | Persistent, Mobile and Toxic |
| PPE | Personal protective equipment |
| QSAR | Quantitative Structure Activity Relationship |
| RID | Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe) |
| SADT | Self-Accelerating Decomposition Temperature |
| SAR | Structure-activity relationship |
| SARA | Superfund Amendments and Reauthorization Act |
| SDS | Safety Data Sheet |
| SL | Surface Limit |
| STEL | Short Term Exposure Limit |
| STOT RE | Specific target organ toxicity - Repeated exposure |
| STOT SE | Specific target organ toxicity - Single exposure |
| SVHC | Substance of very high concern |
| TCSI | Taiwan Chemical Substance Inventory |
| TDG | Transport of Dangerous Goods (Canada) |
| TSCA | Toxic Substances Control Act (United States) |
| TWA | Time-Weighted Average |
| UN | United Nations |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and Very Bioaccumulative |
| vPvM | Very Persistent and Very Mobile |
| As | Allergenic substance |
| DS | Dermal Sensitizer |
| Ot | Ototoxicant |
| pOt | Ototoxicant - potential to cause hearing disorders |
| PS | Photosensitizer |
| RS | Respiratory Sensitizer |
| S | Sensitizer |
| poS | Sensitizer - capable of causing occupational asthma |
| Sa | Simple asphyxiant |
| Sd | Skin designation |
| pSd | Skin designation - potential for cutaneous absorption |
| Sdv | Skin designation - vacated |

| | |
|---|---|
| Sk | Skin notation |
| dSk | Skin notation - danger of cutaneous absorption |
| pSk | Skin notation - potential for cutaneous absorption |

**Key literature references and sources for data used to compile the SDS**
U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
U.S. Environmental Protection Agency
U.S. EPA 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
U.S. Hazardous Substance Data Bank (HSDB)
International Uniform Chemical Information Database (IUCLID)
Japan National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
U.S. National Institute for Occupational Safety and Health (NIOSH)
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)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

**Prepared By** Product Stewardship and Regulatory Affairs.

**Revision date** 25-Sep-2026

**Revision Note** SDS sections updated 3 16

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**End of Safety Data Sheet**