

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200) and Canada Hazardous Products Act (HPA) and the  
Hazardous Products Regulation (HPR), as amended

Issuing Date 10-Mar-2026

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Revision Number 1

## 1. Identification

### Product identifier

Product Name up & up

### Other means of identification

Product Code(s) 1180502\_TG

Synonyms None

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

Recommended use Allergy Relief (Antihistamine)

Restrictions on use No information available

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

Supplier Name Raritan Pharmaceuticals, Inc.

### Supplier Address

8 Joanna Court  
East Brunswick  
New Jersey  
08816  
United States

### Emergency telephone number

Supplier Phone Number Phone:732-432-8200  
Fax:732-432-8255

24 Hour Emergency Phone Number 917-375-1354

Emergency Telephone No information available

## 2. Hazard(s) identification

### Classification of the substance or mixture

This product is not considered hazardous by either the US OSHA Hazard Communication Standard 2024, or Canada Hazardous Products Act (HPA) and Hazardous Products Regulation (HPR), as amended.

### Label elements

None

### Hazard statements

No hazard statements required.

**Hazards classified under paragraph (d)(1)(ii) of 1910.1200**

No information available.

**Other information**

Causes mild skin irritation.

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

| Chemical name         | CAS No.      | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|-----------------------|--------------|----------|--|---|
| Supplier Trade Secret | Trade secret | 10 - 20% | -  | -   |
| Supplier Trade Secret | Trade secret | 0 - 10%  | -  | -   |
| Supplier Trade Secret | Trade secret | 0 - 10%  | -  | -   |
| Supplier Trade Secret | Trade secret | 0 - 10%  | -  | -   |
| Supplier Trade Secret | Trade secret | 0 - 10%  | -  | -   |

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

**4. First-aid measures****Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Remove to fresh air.   |
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| <b>Skin contact</b> | Wash skin with soap and water.   |
| <b>Ingestion</b>    | Rinse mouth.   |

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

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

|                            |                           |
|----------------------------|---------------------------|
| <b>Effects of Exposure</b> | No information available. |
|----------------------------|---------------------------|

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

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

**5. Fire-fighting measures**

|  |   |
|--|---|
| <b><u>Suitable Extinguishing Media</u></b> | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|--|---|

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** No information available.

**Hazardous combustion products** Carbon oxides.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures**

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

**Personal precautions** Avoid contact with eyes.

**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** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. Exposure controls/personal protection**

**Control Parameters**  
**Exposure Limits**

| Chemical name         | ACGIH TLV                 | OSHA PEL   | NIOSH  |
|-----------------------|---------------------------|--|--|
| Supplier Trade Secret | TWA: 10 mg/m <sup>3</sup> | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction<br>(vacated) TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 5 mg/m <sup>3</sup> | TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust |

|                       |                           |   |  |
|-----------------------|---------------------------|---|--|
|                       |                           | respirable fraction   |  |
| Supplier Trade Secret | -                         | TWA: 20 mppcf<br>: (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA | TWA: 6 mg/m <sup>3</sup> ;<br>IDLH: 3000 mg/m <sup>3</sup> |
| Supplier Trade Secret | TWA: 10 mg/m <sup>3</sup> | -   | -  |

| Chemical name         | Alberta                     | British Columbia  | Ontario  | Quebec   |
|-----------------------|-----------------------------|---|--|--|
| Supplier Trade Secret | TWA: 10 mg/m <sup>3</sup> ; | TWA: 10 mg/m <sup>3</sup> ; total dust<br>TWA: 3 mg/m <sup>3</sup> ;<br>respirable fraction | TWA: 10 mg/m <sup>3</sup> ;  | TWAEV: 10 mg/m <sup>3</sup> ; total dust   |
| Supplier Trade Secret | TWA: 10 mg/m <sup>3</sup> ; | TWA: 10 mg/m <sup>3</sup> ;<br>inhalable<br>TWA: 3 mg/m <sup>3</sup> ;<br>respirable        | TWA: 10 mg/m <sup>3</sup> ;<br>inhalable particulate matter<br>TWA: 3 mg/m <sup>3</sup> ;<br>respirable particulate matter | TWAEV: 10 mg/m <sup>3</sup> ;<br>inhalable aerosol fraction<br>TWAEV: 3 mg/m <sup>3</sup> ;<br>respirable aerosol fraction |

| Chemical name         | Manitoba   | New Brunswick               | Newfoundland and Labrador  | Nova Scotia  |
|-----------------------|--|-----------------------------|--|--|
| Supplier Trade Secret | TWA: 10 mg/m <sup>3</sup> ;  | TWA: 10 mg/m <sup>3</sup> ; | TWA: 10 mg/m <sup>3</sup> ;  | TWA: 10 mg/m <sup>3</sup> ;  |
| Supplier Trade Secret | TWA: 10 mg/m <sup>3</sup> ;<br>inhalable particulate matter<br>TWA: 3 mg/m <sup>3</sup> ;<br>respirable particulate matter | TWA: 10 mg/m <sup>3</sup> ; | TWA: 10 mg/m <sup>3</sup> ;<br>inhalable particulate matter<br>TWA: 3 mg/m <sup>3</sup> ;<br>respirable particulate matter | TWA: 10 mg/m <sup>3</sup> ;<br>inhalable particulate matter<br>TWA: 3 mg/m <sup>3</sup> ;<br>respirable particulate matter |

| Chemical name         | Nunavut   | Prince Edward Island   | Saskatchewan  | Yukon  |
|-----------------------|---|--|---|--|
| Supplier Trade Secret | TWA: 10 mg/m <sup>3</sup> ;<br>STEL: 20 mg/m <sup>3</sup> ; | TWA: 10 mg/m <sup>3</sup> ;  | TWA: 10 mg/m <sup>3</sup> ;<br>STEL: 20 mg/m <sup>3</sup> ; | TWA: 30 mppcf;<br>TWA: 10 mg/m <sup>3</sup> ;<br>STEL: 20 mg/m <sup>3</sup> ;            |
| Supplier Trade Secret | -   | -  | -   | TWA: 300 particle/mL;<br>TWA: 20 mppcf;<br>TWA: 2 mg/m <sup>3</sup> ;<br>respirable mass |
| Supplier Trade Secret | TWA: 10 mg/m <sup>3</sup> ;<br>STEL: 20 mg/m <sup>3</sup> ; | TWA: 10 mg/m <sup>3</sup> ;<br>inhalable particulate matter<br>TWA: 3 mg/m <sup>3</sup> ;<br>respirable particulate matter | TWA: 10 mg/m <sup>3</sup> ;<br>STEL: 20 mg/m <sup>3</sup> ; | -  |

**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**

|                                 |   |
|---------------------------------|---|
| <b>Eye/face protection</b>      | Appropriate eye/face protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.  |
| <b>Hand protection</b>          | Appropriate hand protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.  |
| <b>Skin and body protection</b> | Appropriate skin and body protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.   |
| <b>Respiratory protection</b>   | Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |

**9. Physical and chemical properties****Information on basic physical and chemical properties**

|                                       |                          |
|---------------------------------------|--------------------------|
| <b>Physical state</b>                 | Solid                    |
| <b>Color</b>                          | No information available |
| <b>Odor (includes odor threshold)</b> | Sweet                    |
| <b>Odor threshold</b>                 | No information available |

| <u>Property</u>  | <u>Values</u>     | <u>Remarks • Method</u> |
|--|-------------------|-------------------------|
| <b>Melting point / freezing point</b>                            | No data available | None known              |
| <b>Boiling point (or initial boiling point or boiling range)</b> | No data available | None known              |
| <b>Flammability</b>  | No data available | None known              |
| <b>Flammability Limit in Air</b>                                 |                   | None known              |
| <b>Upper flammability or explosive limits</b>                    | No data available |                         |
| <b>Lower flammability or explosive limits</b>                    | No data available |                         |
| <b>Flash point</b>   | No data available | None known              |
| <b>Autoignition temperature</b>                                  | No data available | None known              |
| <b>Decomposition temperature</b>                                 | No data available | None known              |
| <b>SADT (°C)</b>   | No data available | None known              |
| <b>pH</b>  | No data available | None known              |
| <b>pH (as aqueous solution)</b>                                  | No data available | None known              |
| <b>Kinematic viscosity</b>                                       | No data available | None known              |
| <b>Dynamic viscosity</b>   | No data available | None known              |
| <b>Solubility</b>  | No data available | None known              |
| <b>Water solubility</b>  | Partially soluble |                         |
| <b>Partition coefficient n-octanol/water (log value)</b>         | 0                 |                         |
| <b>Vapor pressure (includes evaporation rate)</b>                | No data available | None known              |
| <b>Evaporation rate</b>  | No data available | None known              |
| <b>Density and/or relative density</b>                           | No data available | None known              |
| <b>Bulk density</b>  | No data available |                         |
| <b>Liquid Density</b>  | No data available |                         |
| <b>Relative vapor density</b>                                    | No data available | None known              |
| <b>Particle characteristics</b>                                  |                   | None known              |
| <b>Particle Size</b>   | No data available |                         |
| <b>Particle Size Distribution</b>                                | No data available |                         |

**Other information**

Miscible No

## 10. Stability and reactivity

**Reactivity** No information available.

**Chemical stability** Stable under normal conditions.

**Possibility of hazardous reactions** None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to avoid** None known based on information supplied.

**Incompatible materials** None known based on information supplied.

**Hazardous decomposition products** Carbon oxides.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available. Causes mild skin irritation.

**Ingestion** Specific test data for the substance or mixture is not available.

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

**Symptoms** Prolonged contact may cause redness and irritation.

**Acute toxicity** No information available.

### Numerical measures of toxicity

The following ATE values have been calculated for the mixture

|   |                  |
|---|------------------|
| ATE <sub>mix</sub> (oral)                 | 157,894.70 mg/kg |
| ATE <sub>mix</sub> (dermal)               | 99,999.00 mg/kg  |
| ATE <sub>mix</sub> (inhalation-gas)       | 99,999.00 ppm    |
| ATE <sub>mix</sub> (inhalation-vapor)     | 99,999.00 mg/l   |
| ATE <sub>mix</sub> (inhalation-dust/mist) | 256.90 mg/l      |

### **Component Information**

| Chemical name         | Oral LD50             | Dermal LD50             | Inhalation LC50         |
|-----------------------|-----------------------|-------------------------|-------------------------|
| Supplier Trade Secret | = 7900 mg/kg ( Rat )  | > 5000 mg/kg ( Rabbit ) | > 5.01 mg/L ( Rat ) 4 h |
| Supplier Trade Secret | = 3 g/kg ( Rat )      | > 2000 mg/kg ( Rat )    | -                       |
| Supplier Trade Secret | = 100 g/kg ( Rat )    | -                       | -                       |
| Supplier Trade Secret | > 10000 mg/kg ( Rat ) | -                       | -                       |

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

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes mild skin irritation.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** Based on available data, the classification criteria are not met.  
The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name         | ACGIH                                       | IARC   | NTP | OSHA |
|-----------------------|---|--|-----|------|
| Supplier Trade Secret | A4 - Not classifiable as a human carcinogen | -  | -   | -    |
| Supplier Trade Secret | -   | Group 3 - Not classifiable as to its carcinogenicity to humans | -   | -    |
| Supplier Trade Secret | -   | Group 3 - Not classifiable as to its carcinogenicity to humans | -   | -    |
| Supplier Trade Secret | A4 - Not classifiable as a human carcinogen | -  | -   | -    |

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** 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 |
|-----------------------|---|--|--|----------------------------|
| Supplier Trade Secret | 96h LC50: = 5000 mg/L (Brachydanio rerio)   | 48h EC50: = 7600 mg/L (Ceriodaphnia dubia) | 72h EC50: = 440 mg/L (Pseudokirchneriella subcapitata) | -                          |
| Supplier Trade Secret | 96h LC50: = 1516 mg/L (Lepomis macrochirus) | -  | -  | -                          |

**Persistence and degradability** No information available.

### Bioaccumulative potential

| Chemical name | Partition coefficient | Bioconcentration factor (BCF) | Trophic magnification factor (TMF) |
|---------------|-----------------------|-------------------------------|------------------------------------|
|               |                       |                               |                                    |

|                       |       |   |   |
|-----------------------|-------|---|---|
| Supplier Trade Secret | -1.72 | - | - |
|-----------------------|-------|---|---|

**Mobility in soil** No information available.

**Other adverse effects** No information available.

### 13. Disposal considerations

#### Disposal 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.

### 14. Transport information

**DOT** NOT REGULATED  
Transport hazard class(es) N/A

**TDG** Not applicable

**MEX** Not applicable

**ICAO (air)** Not applicable

**IATA** Not applicable  
Transport hazard class(es) N/A

**IMDG** Not applicable  
Transport hazard class(es) N/A

### 15. Regulatory information

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

#### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** 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.

|              |   |
|--------------|---|
| <b>KECL</b>  | Contact supplier for inventory compliance status. |
| <b>PICCS</b> | Contact supplier for inventory compliance status. |
| <b>AIIC</b>  | Contact supplier for inventory compliance status. |
| <b>NZIoC</b> | Contact supplier for inventory compliance status. |
| <b>TCSI</b>  | 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 Chemicals Inventory  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIIC** - Australian Inventory of Industrial Chemicals  
**NZIoC** - New Zealand Inventory of Chemicals  
**TCSI** - Taiwan Chemical Substance 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.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CAA (Clean Air Act)**

This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical name         | New Jersey | Massachusetts | Pennsylvania |
|-----------------------|------------|---------------|--------------|
| Supplier Trade Secret | -          | X             | X            |
| Supplier Trade Secret | -          | X             | X            |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

**NFPA** Health hazards 1 Flammability 0 Instability 0 Special hazards -  
**HMIS** Health hazards 1 Flammability 0 Physical hazards 0 Personal protection X

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

List may include phrases which are not applicable to this product

|         |   |
|---------|---|
| 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)   |
| EmS     | Emergency Schedule  |
| ENCS    | Existing and New Chemical Substances (Japan)  |
| EPA     | 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      |
| 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  
 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)  
 Japan National Institute of Technology and Evaluation (NITE)  
 Australia 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)  
 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)

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**Revision Note**

No information available.

**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**