

# SAFETY DATA SHEET



## 1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name **ProCure Odorzap Odor Eliminator**

Product Code PCBCWC08

Company Name TwinMed LLC.  
(Supplier of SDS)

Address 11333 Greenstone Ave. • Santa Fe Springs, CA 90670

Contact 1-877-TwinMed (894-6633)

Emergency 1-877-TwinMed (894-6633)

Relevant Use Odor Eliminator/Eliminator – Non-Aerosol

## 2. HAZARD IDENTIFICATION

### Classification of the substance or mixture

|                                   |             |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2A |
| Reproductive toxicity             | Category 2  |

### Label elements



### Warning

#### **Hazard statements**

Causes serious eye irritation.  
Suspected of damaging fertility or the unborn child.

#### **Precautionary Statements - Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves, protective clothing, eye protection and face protection.  
Wash face, hands and any exposed skin thoroughly after handling.

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention.

#### **Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice and attention.

#### **Precautionary Statements - Storage**

Store locked up.

#### **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

Causes mild skin irritation. Toxic to aquatic life with long lasting effects.

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## 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) |
|------------------------------------|------------|----------|------------------------------------------------------------------------------|-------------------------------------------------------------|
| Phenoxyethanol                     | 122-99-6   | 0.1-0.9  | -                                                                            | -                                                           |
| Soyaethyl Morpholinium Ethosulfate | 61791-34-2 | 0.1-0.9  | -                                                                            | -                                                           |
| Limonene                           | 5989-27-5  | 0.1-0.9  | -                                                                            | -                                                           |
| Linalool                           | 78-70-6    | 0.1-0.9  | -                                                                            | -                                                           |
| Ethylhexylglycerin                 | 70445-33-9 | 0.1-0.9  | -                                                                            | -                                                           |

## 4. FIRST AID MEASURES

### Description of first aid measures

|                                           |                                                                                                                                                                                                                                                                                     |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance.                                                                                                                                                                                                                            |
| <b>Inhalation</b>                         | Remove to fresh air.                                                                                                                                                                                                                                                                |
| <b>Eye contact</b>                        | 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. |
| <b>Skin contact</b>                       | Wash skin with soap and water.                                                                                                                                                                                                                                                      |
| <b>Ingestion</b>                          | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.                                                                                                                                                                       |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).                                                                                                                                                                                       |

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

|                            |                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms</b>            | May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation. |
| <b>Effects of Exposure</b> | May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility.                      |

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

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

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## 5. FIRE FIGHTING MEASURES

|                                                                              |                                                                                                                                    |
|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Suitable Extinguishing Media</u></b>                                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| <b>Unsuitable extinguishing media</b>                                        | Do not scatter spilled material with high pressure water streams.                                                                  |
| <b><u>Specific hazards arising from the chemical</u></b>                     | No information available.                                                                                                          |
| <b><u>Explosion data</u></b>                                                 |                                                                                                                                    |
| <b>Sensitivity to mechanical impact</b>                                      | None.                                                                                                                              |
| <b>Sensitivity to static discharge</b>                                       | None.                                                                                                                              |
| <b><u>Special protective equipment and precautions for fire-fighters</u></b> | 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**

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

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

|                                        |                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------|
| <b>Methods for containment</b>         | Prevent further leakage or spillage if safe to do so.                                |
| <b>Methods for cleaning up</b>         | Pick up and transfer to properly labeled containers.                                 |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations. |

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

- Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.
- General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

#### Exposure Limits

| Chemical name              | Alberta | British Columbia | Ontario                                             | Quebec |
|----------------------------|---------|------------------|-----------------------------------------------------|--------|
| Phenoxyethanol<br>122-99-6 | -       | -                | TWA: 25 ppm;<br>TWA: 141 mg/m <sup>3</sup> ;<br>dSk | -      |

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

**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).
- Hand protection** Wear suitable gloves.
- Skin and body protection** Wear suitable protective clothing.
- Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Use appropriate respiratory protection. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                   |                   |            |
|---------------------------------------------------|-------------------|------------|
| SADT (°C)                                         | No data available | None known |
| pH                                                | 5.00-5.50         | @25 °C     |
| pH (as aqueous solution)                          | No data available | None known |
| Kinematic viscosity                               | No data available | None known |
| Dynamic viscosity                                 | No data available | None known |
| Solubility                                        | No data available | None known |
| Water solubility                                  | No data available | None known |
| 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                   | 1                 | @25 °C     |
| Bulk density                                      | No data available |            |
| Liquid Density                                    | No data available |            |
| Relative vapor density                            | No data available | None known |
| Particle characteristics                          |                   | None known |
| Particle Size                                     | No data available |            |
| Particle Size Distribution                        | No data available |            |

### Other information

Miscible No

### Information on basic physical and chemical properties

|                                |                   |
|--------------------------------|-------------------|
| Physical state                 | Liquid            |
| Color                          | Colorless         |
| Odor (includes odor threshold) | Sweet             |
| Odor threshold                 | No data available |

| <u>Property</u>                                           | <u>Values</u>     | <u>Remarks • Method</u> |
|-----------------------------------------------------------|-------------------|-------------------------|
| 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                                               | No data available | None known              |
| Autoignition temperature                                  | No data available | None known              |
| Decomposition temperature                                 | No data available | None known              |

## 10. STABILITY AND REACTIVITY

|                                    |                                           |
|------------------------------------|-------------------------------------------|
| Reactivity                         | No information available.                 |
| Chemical stability                 | Stable under normal conditions.           |
| Possibility of hazardous reactions | None under normal processing.             |
| Conditions to avoid                | None known based on information supplied. |
| Incompatible materials             | None known based on information supplied. |
| Hazardous decomposition products   | None known based on information supplied. |

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## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |                                                                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.                                                  |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain. |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. Prolonged contact may cause redness and irritation. Causes mild skin irritation.            |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.             |

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

|                 |                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms</b> | May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation. |
|-----------------|-------------------------------------------------------------------------------------------------------------------|

|                       |                           |
|-----------------------|---------------------------|
| <b>Acute toxicity</b> | No information available. |
|-----------------------|---------------------------|

### Numerical measures of toxicity

The following ATE values have been calculated for the mixture

|                               |                 |
|-------------------------------|-----------------|
| ATEmix (oral)                 | 99,999.00 mg/kg |
| ATEmix (dermal)               | 99,999.00 mg/kg |
| ATEmix (inhalation-gas)       | 99,999.00 ppm   |
| ATEmix (inhalation-vapor)     | 99,999.00 mg/l  |
| ATEmix (inhalation-dust/mist) | 99,999.00 mg/l  |

### Component Information

| Chemical name  | Oral LD50                                    | Dermal LD50             | Inhalation LC50          |
|----------------|----------------------------------------------|-------------------------|--------------------------|
| Phenoxyethanol | = 1850 mg/kg ( Rat )                         | = 5 mL/kg ( Rabbit )    | > 0.057 mg/L ( Rat ) 8 h |
| Limonene       | = 5200 mg/kg ( Rat )<br>= 4400 mg/kg ( Rat ) | > 5 g/kg ( Rabbit )     | -                        |
| Linalool       | = 2790 mg/kg ( Rat )                         | = 5610 mg/kg ( Rabbit ) | -                        |

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

|                                          |                                                                                        |
|------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b>         | Classification based on data available for ingredients. Causes mild skin irritation.   |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. Causes serious eye irritation. |
| <b>Respiratory or skin sensitization</b> | No information available.                                                              |
| <b>Germ cell mutagenicity</b>            | No information available.                                                              |
| <b>Carcinogenicity</b>                   | 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 |
|---------------|-------|----------------------------------------------------------------|-----|------|
| Limonene      | -     | Group 3 - Not classifiable as to its carcinogenicity to humans | -   | -    |

|                              |                                                                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reproductive toxicity</b> | Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child. |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                               |                           |
|-------------------------------|---------------------------|
| <b>STOT - single exposure</b> | No information available. |
|-------------------------------|---------------------------|

|                                 |                           |
|---------------------------------|---------------------------|
| <b>STOT - repeated exposure</b> | No information available. |
|---------------------------------|---------------------------|

|                          |                           |
|--------------------------|---------------------------|
| <b>Aspiration hazard</b> | No information available. |
|--------------------------|---------------------------|

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

### Aquatic ecotoxicity

### Component Information

| Chemical name  | Fish                                                                                            | Crustacea                            | Algae/aquatic plants                            | Toxicity to microorganisms |
|----------------|-------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------|----------------------------|
| Phenoxyethanol | 96h LC50: 337 - 352 mg/L (Pimephales promelas)<br>96h LC50: = 366 mg/L (Pimephales promelas)    | 48h EC50: > 500 mg/L (Daphnia magna) | 72h EC50: > 500 mg/L (Desmodesmus subspicatus)  | -                          |
| Limonene       | 96h LC50: 0.619 - 0.796 mg/L (Pimephales promelas)<br>96h LC50: = 35 mg/L (Oncorhynchus mykiss) | -                                    | -                                               | -                          |
| Linalool       | 96h LC50: = 27.8 mg/L (Oncorhynchus mykiss)                                                     | 48h EC50: = 20 mg/L (Daphnia magna)  | 96h EC50: = 88.3 mg/L (Desmodesmus subspicatus) | -                          |

### Persistence and degradability

No information available.

### Bioaccumulative potential

| Chemical name  | Partition coefficient | Bioconcentration factor (BCF) | Trophic magnification factor (TMF) |
|----------------|-----------------------|-------------------------------|------------------------------------|
| Phenoxyethanol | 1.2                   | -                             | -                                  |
| Limonene       | 4.38                  | -                             | -                                  |
| Linalool       | 2.9                   | -                             | -                                  |

### 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.

#### **California waste information**

This product contains one or more substances that are listed with the State of California as a hazardous waste.

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## 14. TRANSPORT INFORMATION

|                                           |                       |
|-------------------------------------------|-----------------------|
| <u>DOT</u><br>Transport hazard class(es)  | NOT REGULATED<br>N/A  |
| <u>TDG</u>                                | Not applicable        |
| <u>MEX</u>                                | Not applicable        |
| <u>ICAO (air)</u>                         | Not applicable        |
| <u>IATA</u><br>Transport hazard class(es) | Not applicable<br>N/A |
| <u>IMDG</u>                               | 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. |
| KECL          | 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. |
| TCSI          | 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.



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## 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 |
|----------------|------------|---------------|--------------|
| Phenoxyethanol | X          | -             | X            |

## U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

## 16. OTHER INFORMATION

|                                                                  |                           |                       |                           |                              |
|------------------------------------------------------------------|---------------------------|-----------------------|---------------------------|------------------------------|
| <b>NFPA</b>                                                      | <b>Health hazards</b> 2   | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Special hazards</b> -     |
| <b>HMIS</b>                                                      | <b>Health hazards</b> 2 * | <b>Flammability</b> 0 | <b>Physical hazards</b> 0 | <b>Personal protection</b> X |
| <i>Chronic Hazard Star Legend      * = Chronic Health Hazard</i> |                           |                       |                           |                              |

### 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                                               |

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|         |                                                                                     |
|---------|-------------------------------------------------------------------------------------|
| 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) (AELG(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)

# SAFETY DATA SHEET



## 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.