

# 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-Dec-2025

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Revision Number 2

## 1. Identification

### Product identifier

Product Name HEITMANN Express Washing Machine Cleaner

### Other means of identification

Product Code(s) 1887263

Synonyms None

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

Recommended use Single Purpose Cleaner (Liquid or Solid)

Restrictions on use No information available

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

Supplier Name Synexa Brands

### Supplier Address

P.O. Box 966  
Sparta, NJ 07871  
USA

### Emergency telephone number

Supplier Phone Number 570-242-3546

24 Hour Emergency Phone Number 570-242-3546

## 2. Hazard(s) identification

### Classification of the substance or mixture

|                                                          |             |
|----------------------------------------------------------|-------------|
| Skin corrosion/irritation                                | Category 2  |
| Serious eye damage/eye irritation                        | Category 2A |
| Specific target organ toxicity (single exposure)         | Category 3  |
| Category 3 Target organ effects: Respiratory irritation. |             |

### Label elements



#### Warning

##### Hazard statements

Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.

##### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.  
Avoid breathing dust, fume, gas, mist, vapors and spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves, protective clothing, eye protection and face protection.

##### Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label).

##### 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.

##### Skin

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

##### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER or doctor if you feel unwell.

##### Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed.  
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

May be harmful if swallowed. May be harmful if inhaled. Harmful to aquatic life.

### 3. Composition/information on ingredients

#### Substance

Not applicable.

#### Mixture

| Chemical name | CAS No. | Weight-% | Hazardous Material<br>Information Review<br>Act registry number<br>(HMIRA registry #) | Date HMIRA filed and<br>date exemption<br>granted (if<br>applicable) |
|---------------|---------|----------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------|
|---------------|---------|----------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------|

|                       |              |          |   |   |
|-----------------------|--------------|----------|---|---|
| Supplier Trade Secret | Trade secret | 70 - 80% | - | - |
| 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>General advice</b>                     | Show this safety data sheet to the doctor in attendance.                                                                                                                                                                                                                            |
| <b>Inhalation</b>                         | Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.                                                                                                                                                    |
| <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 off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.                                                                                                                                              |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. 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>            | Erythema (skin redness). May cause redness and tearing of the eyes. Burning sensation. |
| <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. |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------|

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| <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. |
|----------------------------------------------------------|---------------------------|

### Explosion data

|                                         |       |
|-----------------------------------------|-------|
| <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. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. |
| <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. |

## 7. Handling and storage

### Precautions for safe handling

|                                       |                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Advice on safe handling</b>        | 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. Take off contaminated clothing and wash before reuse. Ensure adequate ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment. |
| <b>General hygiene considerations</b> | Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice.                                                                                                                                                 |

### Conditions for safe storage, including any incompatibilities

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| <b>Storage Conditions</b> | Keep containers tightly closed in a dry, cool and well-ventilated place. |
|---------------------------|--------------------------------------------------------------------------|

## 8. Exposure controls/personal protection

### Control Parameters

|                        |                                                                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Exposure Limits</b> | This product, as supplied, contains materials that do not have reportable occupational exposure limits or are not subject to the reporting requirements of the local jurisdiction. |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                |                                                                                                                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biological occupational exposure limits</b> | 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

|                             |         |
|-----------------------------|---------|
| <b>Engineering controls</b> | 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. Long sleeved 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. |

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

|                                |                          |
|--------------------------------|--------------------------|
| Physical state                 | Solid                    |
| Color                          | No information available |
| Odor (includes odor threshold) | Odorless                 |
| Odor threshold                 | No information 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              |
| 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                                         | 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                           | No data available | None known              |
| 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 Yes

## 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** Strong acids. Strong bases. Strong oxidizing agents.

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

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May be harmful if inhaled.

**Eye contact** Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

**Skin contact** Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

**Ingestion** 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

**Symptoms** Erythema (skin redness). May cause redness and tearing of the eyes. Burning sensation.

**Acute toxicity** No information available.

### Numerical measures of toxicity

The following ATE values have been calculated for the mixture

|                               |                 |
|-------------------------------|-----------------|
| ATEmix (oral)                 | 2,096.10 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) | 6.29 mg/l       |

#### Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|-----------|-------------|-----------------|
|---------------|-----------|-------------|-----------------|

|                       |                      |                      |   |
|-----------------------|----------------------|----------------------|---|
| Supplier Trade Secret | = 3 g/kg ( Rat )     | > 2000 mg/kg ( Rat ) | - |
| Supplier Trade Secret | = 3530 mg/kg ( Rat ) | -                    | - |

**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 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>                   | No information available.                                                              |
| <b>Reproductive toxicity</b>             | No information available.                                                              |
| <b>STOT - single exposure</b>            | May cause respiratory irritation.                                                      |
| <b>STOT - repeated exposure</b>          | No information available.                                                              |
| <b>Aspiration hazard</b>                 | No information available.                                                              |

**12. Ecological information**

**Ecotoxicity** Harmful to aquatic life.

**Aquatic ecotoxicity**

**Component Information**

| Chemical name         | Fish                                        | Crustacea | Algae/aquatic plants | Toxicity to microorganisms |
|-----------------------|---------------------------------------------|-----------|----------------------|----------------------------|
| 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

|                                           |                       |
|-------------------------------------------|-----------------------|
| <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><br>Transport hazard class(es) | Not applicable<br>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.  
AIIIC 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.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

This product does not contain any substances regulated under applicable state right-to-know regulations

**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 |

**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

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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**