



# SAFETY DATA SHEET

Issuing Date 15-Nov-2019

Revision date 27-Sep-2023

Revision Number 7

## 1. Identification

### Product identifier

**Product Name** PDI Sani-Hands and Sani Professional Instant Hand Sanitizing Wipes

### Other means of identification

**Product Code(s)** SDS 0343-00 ENGLISH

**Synonyms** 4OD43601

**Other information** Item Number(s): P71520, P13472, P15984, D43600, P92084, P43572, and D33333

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

**Recommended use** Instant hand sanitizing wipes

**Restrictions on use** None known

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

#### **Manufacturer Address**

Professional Disposables International,  
Inc.  
Two Nice-Pak Park  
Orangeburg, NY 10962-1376  
1-845-365-1700

### Emergency telephone number

**Emergency Telephone** PERS:  
1-800-633-8253 (Domestic/Canada)  
1-801-699-0667 (International)

## 2. Hazard(s) identification

### Classification

|                                                  |             |
|--------------------------------------------------|-------------|
| Eye irritant                                     | Category 2A |
| Specific target organ toxicity (single exposure) | Category 3  |

**Appearance** Clear liquid on nonwoven

**Physical state** Pre-moistened wipe.

**Odor** Mild alcohol

### Label elements

#### **WARNING**

**Hazard statements**

Causes serious eye irritation

May cause respiratory irritation. May cause drowsiness or dizziness



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear eye protection/ face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

**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/attention

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position 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/container to an approved waste disposal plant

**Other information**

**Unknown acute toxicity** 1.5 % of the mixture consists of ingredient(s) of unknown toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

1.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

1.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

1.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture**

**Synonyms** 4OD43601.

| 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) |
|--------------------|---------|----------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| SDA 40-B 190 Proof | 64-17-5 | 65 - 75  | -                                                                                     | -                                                                    |

|                  |         |        |   |   |
|------------------|---------|--------|---|---|
| Propylene Glycol | 57-55-6 | 1 - 10 | - | - |
|------------------|---------|--------|---|---|

## 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>                         | If symptoms develop move victim to fresh air. Get medical attention if irritation or other symptoms persists.                                                                                                 |
| <b>Eye contact</b>                        | Immediately rinse eyes with water for several minutes. Keep eye wide open while rinsing. If present and easy to do, remove contact lenses and continue rinsing. Get medical attention if irritation persists. |
| <b>Skin contact</b>                       | Wash skin with water. Get medical attention if irritation develops or persists.                                                                                                                               |
| <b>Ingestion</b>                          | Ingestion is unlikely for solid products. No first aid is required for small amounts transferred from hands to mouth.                                                                                         |
| <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> | Direct contact with liquid may cause moderate eye irritation. Direct or prolonged inhalation of high concentration of vapors may cause upper respiratory tract irritation and central nervous system effects. Swallowing large amounts of liquid may cause gastrointestinal irritation. |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

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

## 5. Fire-fighting measures

|                                                       |                                                                                                                                                                                                        |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                                                                                |
| <b>Unsuitable extinguishing media</b>                 | CAUTION: Use of water spray when fighting fire may be inefficient.                                                                                                                                     |
| <b>Specific hazards arising from the chemical</b>     | No information available.                                                                                                                                                                              |
| <b>Explosion data</b>                                 |                                                                                                                                                                                                        |
| <b>Sensitivity to mechanical impact</b>               | None.                                                                                                                                                                                                  |
| <b>Sensitivity to static discharge</b>                | None.                                                                                                                                                                                                  |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces. Use personal protection equipment per facility protocol. |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid prolonged contact with eyes. Wear appropriate protective clothing as described in Section 8.

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

Do not reuse towelette. Pick up wipe and place in an appropriate container for infectious waste disposal. Do not flush in toilet.

## 7. Handling and storage

**Precautions for safe handling**

**Advice on safe handling** None required for normal use. Avoid contact with eyes and skin. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Refer to product label for additional information on use and handling. Do not reuse the empty container or towelette. Do not flush in toilet. Dispose of in accordance with all local, state, and federal regulations.

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

**Storage Conditions** Store in a cool, dry location away from incompatible materials. Do not store near heat or open flame. Protect container from physical damage. Keep containers closed when not in use to prevent moisture loss.

## 8. Exposure controls/personal protection

**Control parameters**

**Exposure Limits**

| Chemical name                 | ACGIH TLV                                    |                  | OSHA PEL                                                                                                         |                | NIOSH IDLH                                                     |
|-------------------------------|----------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------|
| SDA 40-B 190 Proof<br>64-17-5 | STEL: 1000 ppm                               |                  | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> |                | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |
| Chemical name                 | Alberta                                      | British Columbia | Ontario                                                                                                          | Quebec         |                                                                |
| SDA 40-B 190 Proof<br>64-17-5 | TWA: 1000 ppm<br>TWA: 1880 mg/m <sup>3</sup> | STEL: 1000 ppm   | STEL: 1000 ppm                                                                                                   | STEL: 1000 ppm |                                                                |
| Propylene Glycol<br>57-55-6   |                                              |                  | TWA: 10 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 155 mg/m <sup>3</sup>                                           |                |                                                                |

**Appropriate engineering controls**

**Engineering controls** General ventilation is adequate under normal conditions of use. Refer product label for additional information.

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

**Eye/face protection** No special protective equipment required under normal use conditions. If needed defer to facility protocol to avoid eye contact.

**Hand protection** No special protective equipment required under normal use conditions. If needed defer to facility protocol to avoid skin contact.

|                                   |                                                                                                                                                                          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin and body protection</b>   | No special protective equipment required under normal use conditions. If needed defer to facility protocol for suitable protective clothing.                             |
| <b>Respiratory protection</b>     | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| <b>Other protective equipment</b> | None required under normal conditions of use.                                                                                                                            |

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Pre-moistened wipe.      |
| <b>Appearance</b>     | Clear liquid on nonwoven |
| <b>Color</b>          | White                    |
| <b>Odor</b>           | Mild alcohol             |
| <b>Odor threshold</b> | No information available |

| <u>Property</u>                               | <u>Values</u>     | <u>Remarks • Method</u> |
|-----------------------------------------------|-------------------|-------------------------|
| <b>pH</b>                                     | No data available | None known              |
| <b>Melting point / freezing point</b>         | No data available | None known              |
| <b>Boiling point / boiling range</b>          | No data available | None known              |
| <b>Flash point</b>                            | 22.0 °C / 71.6 °F | Tag Closed Cup          |
| <b>Evaporation rate</b>                       | No data available | None known              |
| <b>Flammability (solid, gas)</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>Vapor pressure</b>                         | No data available | None known              |
| <b>Vapor density</b>                          | No data available | None known              |
| <b>Relative density</b>                       | No data available | None known              |
| <b>Water solubility</b>                       | No data available | None known              |
| <b>Solubility in other solvents</b>           | No data available | None known              |
| <b>Partition coefficient</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>Kinematic viscosity</b>                    | No data available | None known              |
| <b>Dynamic viscosity</b>                      | No data available | None known              |

### Other information

|                             |                          |
|-----------------------------|--------------------------|
| <b>Explosive properties</b> | No information available |
| <b>Oxidizing properties</b> | No information available |
| <b>Softening point</b>      | No information available |
| <b>Molecular weight</b>     | No information available |
| <b>VOC Content (%)</b>      | No information available |
| <b>Liquid Density</b>       | No information available |
| <b>Bulk density</b>         | No information available |

## 10. Stability and reactivity

|                                           |                                 |
|-------------------------------------------|---------------------------------|
| <b>Reactivity</b>                         | No information available.       |
| <b>Chemical stability</b>                 | Stable under normal conditions. |
| <b>Possibility of hazardous reactions</b> | 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.

## 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 cause drowsiness or dizziness.

**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.

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

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

**Symptoms** May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

### Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 1,333,333.30 mg/kg  
**ATEmix (dermal)** 1,386,666.70 mg/kg

**Unknown acute toxicity** 1.5 % of the mixture consists of ingredient(s) of unknown toxicity  
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
1.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
1.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
1.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### Component Information

| Chemical name                 | Oral LD50            | Dermal LD50              | Inhalation LC50                                      |
|-------------------------------|----------------------|--------------------------|------------------------------------------------------|
| SDA 40-B 190 Proof<br>64-17-5 | = 7060 mg/kg ( Rat ) | -                        | = 116.9 mg/L ( Rat ) 4 h<br>= 133.8 mg/L ( Rat ) 4 h |
| Propylene Glycol<br>57-55-6   | = 20 g/kg ( Rat )    | = 20800 mg/kg ( Rabbit ) | -                                                    |

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

**Skin corrosion/irritation** Non-hazardous by WHMIS/OSHA criteria.

**Eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitization** Non-hazardous by WHMIS/OSHA criteria.

**Germ cell mutagenicity** Non-hazardous by WHMIS/OSHA criteria.

**Carcinogenicity** Non-hazardous by WHMIS/OSHA criteria.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name                 | ACGIH | IARC    | NTP   | OSHA |
|-------------------------------|-------|---------|-------|------|
| SDA 40-B 190 Proof<br>64-17-5 | A3    | Group 1 | Known | X    |

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive toxicity** Non-hazardous by WHMIS/OSHA criteria.

**STOT - single exposure** May cause respiratory tract irritation. May cause drowsiness or dizziness.

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

**Aspiration hazard** No information available.

## 12. Ecological information

**Ecotoxicity**

| Chemical name                 | Algae/aquatic plants                                    | Fish                                                                                                                                                                                    | Toxicity to microorganisms | Crustacea                                                                        |
|-------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------|
| SDA 40-B 190 Proof<br>64-17-5 | -                                                       | LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss)<br>LC50: >100mg/L (96h, Pimephales promelas)<br>LC50: 13400 - 15100mg/L (96h, Pimephales promelas)                                     | -                          | LC50: 9268 - 14221mg/L (48h, Daphnia magna)<br>EC50: =2mg/L (48h, Daphnia magna) |
| Propylene Glycol<br>57-55-6   | EC50: =19000mg/L (96h, Pseudokirchneriella subcapitata) | LC50: 41 - 47mL/L (96h, Oncorhynchus mykiss)<br>LC50: =51400mg/L (96h, Pimephales promelas)<br>LC50: =51600mg/L (96h, Oncorhynchus mykiss)<br>LC50: =710mg/L (96h, Pimephales promelas) | -                          | EC50: >1000mg/L (48h, Daphnia magna)                                             |

**Persistence and degradability** None known.

**Bioaccumulation** None known.

**Component Information**

| Chemical name                 | Partition coefficient |
|-------------------------------|-----------------------|
| SDA 40-B 190 Proof<br>64-17-5 | -0.35                 |
| Propylene Glycol<br>57-55-6   | -1.07                 |

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone

creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

#### Waste treatment methods

**Towelette Disposal** Do not reuse towelette. Dispose of used towelette in trash. Do not flush in toilet.

**Package Disposal** Nonrefillable container. Do not reuse or refill this container. Dispose in accordance with all local, state and federal regulations.

Empty containers may retain some product residues. This material and its container must be disposed of in a safe manner.

| Chemical name                 | California Hazardous Waste Status |
|-------------------------------|-----------------------------------|
| SDA 40-B 190 Proof<br>64-17-5 | Toxic<br>Ignitable                |

### 14. Transport information

| Single Packet Containing <10mL of Saturant: |           |                                                          |              |               |                      |
|---------------------------------------------|-----------|----------------------------------------------------------|--------------|---------------|----------------------|
|                                             | UN Number | Proper Shipping Name                                     | Hazard Class | Packing Group | Environmental Hazard |
| US DOT                                      | N/A       | Not regulated as dangerous goods (Special Provision 47)  |              |               | Not applicable       |
| IMDG                                        | N/A       | Not regulated as dangerous goods (Special Provision A46) |              |               | Not applicable       |
| IATA                                        | N/A       | Not regulated as dangerous goods (Special Provision 216) |              |               | Not applicable       |
| Single Packet Containing >10mL of Saturant: |           |                                                          |              |               |                      |
|                                             | UN Number | Proper Shipping Name                                     | Hazard Class | Packing Group | Environmental Hazard |
| US DOT                                      | N/A       | Not regulated as dangerous goods (Special Provision 47)  |              |               | Not applicable       |
| IMDG                                        | N/A       | Not regulated as dangerous goods (Special Provision A46) |              |               | Not applicable       |
| IATA                                        | N/A       | Not regulated as dangerous goods (Special Provision 216) |              |               | Not applicable       |
| Canister:                                   |           |                                                          |              |               |                      |
|                                             | UN Number | Proper Shipping Name                                     | Hazard Class | Packing Group | Environmental Hazard |
| US DOT                                      | UN3175    | Solids Containing Flammable Liquid n.o.s. (Ethanol)      | 4,1          | II            | Not applicable       |
| IMDG                                        | UN3175    | Solids Containing Flammable Liquid n.o.s. (Ethanol)      | 4,1          | II            | Not applicable       |
| IATA                                        | UN3175    | Solids Containing Flammable Liquid n.o.s. (Ethanol)      | 4,1          | II            | Not applicable       |

### 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** Complies/Exempt.  
**DSL/NDL** Complies/Exempt.  
**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.  
AICS Contact supplier for inventory compliance status.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**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. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard 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).

**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 |
|-------------------------------|------------|---------------|--------------|
| SDA 40-B 190 Proof<br>64-17-5 | X          | X             | X            |
| Propylene Glycol<br>57-55-6   | X          |               | X            |
| Glycerin<br>56-81-5           | X          | X             | X            |

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

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|                    |                         |                       |                           |                                           |
|--------------------|-------------------------|-----------------------|---------------------------|-------------------------------------------|
| <b><u>NFPA</u></b> | <b>Health hazards</b> 2 | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Physical and chemical properties -</b> |
| <b><u>HMIS</u></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**

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (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 GHS Classification  
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)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

**Issuing Date** 15-Nov-2019

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**Revision Note** 7.

**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**