1. Identification

Product identifier

Product Name  Buffer Solution pH 7.00 ± 0.02

Other means of identification

Product Code(s)  2283549 (U.S. Product Code 2283549)

Recommended use of the chemical and restrictions on use

Recommended Use  Laboratory reagent. Buffer.

Details of the supplier of the safety data sheet

Manufacturer Address  Hach Company P.O.Box 389  Loveland, CO 80539 USA +1(970) 669-3050

Emergency telephone number

Emergency Telephone  +1(303) 623-5716 - 24 Hour Service  +1(515)232-2533 - 8am - 4pm CST

2. Hazards identification

Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

Label elements

Hazard statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

Other Hazards Known

Not applicable

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

The product contains no substances which at their given concentration, are considered to be hazardous to health
4. First aid measures

Description of first aid measures

Inhalation  Remove to fresh air.
Eye contact  Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact  Wash skin with soap and water.
Ingestion  Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms  No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians  Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media  Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media  CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical  No information available.

Hazardous combustion products  No information available.

Explosion data  Sensitivity to mechanical impact  None.
  Sensitivity to static discharge  None.

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions  Ensure adequate ventilation.

Environmental precautions

Environmental precautions  See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up
Methods for containment
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Pick up and transfer to properly labeled containers.

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

7. Handling and storage

Precautions for safe handling

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

Conditions for safe storage, including any incompatibilities

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

8. Exposure controls/personal protection

Control parameters

Exposure Limits
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls
Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection
No special protective equipment required.

Skin and body protection
No special protective equipment required.

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.

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

9. Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>aqueous solution</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>yellow</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Molecular weight</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>7.3</td>
<td></td>
</tr>
</tbody>
</table>
Melting point/freezing point  
~ 0 °C / 32 °F  
Estimation based on theoretical calculation

Boiling point / boiling range  
~ 100 °C / 212 °F  
Estimation based on theoretical calculation

Evaporation rate  
1 (water = 1)  
Estimation based on theoretical calculation

Vapor pressure  
18.002 mm Hg / 2.4 kPa at 20 °C / 68 °F  
Estimation based on theoretical calculation

Vapor density (air = 1)  
0.62

Specific gravity (water = 1 / air = 1)  
1  
Estimation based on theoretical calculation

Partition Coefficient (n-octanol/water)  
Not applicable

Soil Organic Carbon-Water Partition Coefficient  
Not applicable

Autoignition temperature  
No data available

Decomposition temperature  
No data available

Dynamic viscosity  
~ 1 cP (mPa s) at 20 °C / 68 °F

Kinematic viscosity  
~ 1 cSt (mm²/s) at 20 °C / 68 °F

Solubility(ies)

Water solubility

<table>
<thead>
<tr>
<th>Water solubility classification</th>
<th>Water solubility</th>
<th>Water Solubility Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soluble</td>
<td>&gt; 1000 mg/L</td>
<td>25 °C / 77 °F</td>
</tr>
</tbody>
</table>

Solubility in other solvents

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Solubility classification</th>
<th>Solubility</th>
<th>Solubility Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>None reported</td>
<td>No information available</td>
<td>No data available</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Other Information

Metal Corrosivity

Steel Corrosion Rate  
No data available

Aluminum Corrosion Rate  
No data available

Volatile Organic Compounds (VOC) Content

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Volatile organic compounds (VOC) content</th>
<th>CAA (Clean Air Act)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitric acid, magnesium salt, hexahydrate</td>
<td>13446-18-9</td>
<td>No data available</td>
<td>-</td>
</tr>
</tbody>
</table>

Explosive properties

Upper explosion limit  
No data available

Lower explosion limit  
No data available
Flammable properties

- Flash point: No data available.
- Flammability Limit in Air:
  - Upper flammability limit: No data available.
  - Lower flammability limit: No data available.

Oxidizing properties: No data available.

- Bulk density: No data available.
- Particle Size: No information available.
- Particle Size Distribution: No information available.

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.

11. Toxicological information

Information on Likely Routes of Exposure

- Inhalation: Specific test data for the substance or mixture is not available.
- Eye contact: Specific test data for the substance or mixture is not available.
- Skin contact: Specific test data for the substance or mixture is not available.
- Ingestion: Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

- Symptoms: No information available.
- Acute toxicity:
  - Aggravated Medical Conditions: None known.
  - Toxicologically synergistic products: None known.
  - Toxicokinetics, metabolism and distribution: See ingredients information below.

Product Acute Toxicity Data

- Oral Exposure Route: No data available.
- Dermal Exposure Route: No data available.
- Inhalation (Dust/Mist) Exposure Route: No data available.
- Inhalation (Vapor) Exposure Route: No data available.
Inhalation (Gas) Exposure Route  
No data available

Numerical measures of toxicity

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

Acute Toxicity Estimations (ATE)

| ATEmix (oral) | No information available |
| ATEmix (dermal) | No information available |
| ATEmix (inhalation-dust/mist) | No information available |
| ATEmix (inhalation-vapor) | No information available |
| ATEmix (inhalation-gas) | No information available |

Ingredient Acute Toxicity Data

**Oral Exposure Route**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Endpoint type</th>
<th>Reported dose</th>
<th>Exposure time</th>
<th>Toxicological effects</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitric acid, magnesium salt, hexahydrate (&lt;0.1%)</td>
<td>Rat LD$_{50}$</td>
<td>5440 mg/kg</td>
<td>None reported</td>
<td>NIH (National Institutes of Health)</td>
<td></td>
</tr>
</tbody>
</table>

**Dermal Exposure Route**

If available, see data below

**Inhalation (Dust/Mist) Exposure Route**

If available, see data below

**Inhalation (Vapor) Exposure Route**

If available, see data below

**Inhalation (Gas) Exposure Route**

If available, see data below

Product Specific Target Organ Toxicity Single Exposure Data

**Oral Exposure Route**

No data available

**Dermal Exposure Route**

No data available

**Inhalation (Dust/Mist) Exposure Route**

No data available

**Inhalation (Vapor) Exposure Route**

No data available

**Inhalation (Gas) Exposure Route**

No data available

Ingredient Specific Target Organ Toxicity Single Exposure Data

**Oral Exposure Route**

If available, see data below

**Dermal Exposure Route**

If available, see data below

**Inhalation (Dust/Mist) Exposure Route**

If available, see data below

**Inhalation (Vapor) Exposure Route**

If available, see data below

**Inhalation (Gas) Exposure Route**

If available, see data below

Aspiration toxicity

If available, see data below

**Kinematic viscosity**

$\sim 1$ cSt (mm$^2$/s)

Product Skin Corrosion/Irritation Data

No data available.

Ingredient Skin Corrosion/Irritation Data

If available, see data below

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Test method</th>
<th>Species</th>
<th>Reported dose</th>
<th>Exposure time</th>
<th>Results</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitric acid, magnesium salt, hexahydrate</td>
<td>Standard Draize Test</td>
<td>Rabbit</td>
<td>500 mg</td>
<td>24 hours</td>
<td>Skin irritant</td>
<td>HSDB (Hazardous Substances Data Bank)</td>
</tr>
</tbody>
</table>
---

**Buffer Solution pH 7.00 ± 0.02**

**CAS#:** 13446-18-9

---

### Product Serious Eye Damage/Eye Irritation Data

No data available.

### Ingredient Eye Damage/Eye Irritation Data

If available, see data below.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Test method</th>
<th>Species</th>
<th>Reported dose</th>
<th>Exposure time</th>
<th>Results</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitric acid, magnesium salt, hexahydrate</td>
<td>Standard Draize Test</td>
<td>Rabbit</td>
<td>500 mg</td>
<td>24 hours</td>
<td>Eye irritant</td>
<td>HSDB (Hazardous Substances Data Bank)</td>
</tr>
</tbody>
</table>

---

### Sensitization Information

#### Product Sensitization Data

- **Skin Sensitization Exposure Route**
  - No data available.
- **Respiratory Sensitization Exposure Route**
  - No data available.

#### Ingredient Sensitization Data

- **Skin Sensitization Exposure Route**
  - If available, see data below.
- **Respiratory Sensitization Exposure Route**
  - If available, see data below.

---

### Chronic Toxicity Information

#### Product Specific Target Organ Toxicity Repeat Dose Data

- **Oral Exposure Route**
  - No data available.
- **Dermal Exposure Route**
  - No data available.
- **Inhalation (Dust/Mist) Exposure Route**
  - No data available.
- **Inhalation (Vapor) Exposure Route**
  - No data available.
- **Inhalation (Gas) Exposure Route**
  - No data available.

#### Ingredient Specific Target Organ Toxicity Repeat Exposure Data

- **Oral Exposure Route**
  - If available, see data below
- **Dermal Exposure Route**
  - If available, see data below
- **Inhalation (Dust/Mist) Exposure Route**
  - If available, see data below
- **Inhalation (Vapor) Exposure Route**
  - If available, see data below
- **Inhalation (Gas) Exposure Route**
  - If available, see data below

---

### Product Carcinogenicity Data

- **Oral Exposure Route**
  - No data available
- **Dermal Exposure Route**
  - No data available
- **Inhalation (Dust/Mist) Exposure Route**
  - No data available
- **Inhalation (Vapor) Exposure Route**
  - No data available
- **Inhalation (Gas) Exposure Route**
  - No data available

#### Ingredient Carcinogenicity Data

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitric acid, magnesium salt, hexahydrate</td>
<td>13446-18-9</td>
<td>-</td>
<td>Group 2A</td>
<td>-</td>
<td>X</td>
<td>-</td>
</tr>
</tbody>
</table>

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### Legend

<table>
<thead>
<tr>
<th>English</th>
<th>Translation</th>
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</thead>
<tbody>
<tr>
<td>Group</td>
<td>Group</td>
</tr>
<tr>
<td>Known</td>
<td>Known</td>
</tr>
<tr>
<td>Reasonably Anticipated</td>
<td>Reasonably Anticipated</td>
</tr>
<tr>
<td>Organization</td>
<td>Application</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>ACGIH (American Conference of Governmental Industrial Hygienists)</td>
<td>Does not apply</td>
</tr>
<tr>
<td>IARC (International Agency for Research on Cancer)</td>
<td>Does not apply</td>
</tr>
<tr>
<td>NTP (National Toxicology Program)</td>
<td>Does not apply</td>
</tr>
<tr>
<td>OSHA (Occupational Safety and Health Administration of the US Department of Labor)</td>
<td>Does not apply</td>
</tr>
</tbody>
</table>

### Oral Exposure Route
- If available, see data below

### Dermal Exposure Route
- If available, see data below

### Inhalation (Dust/Mist) Exposure Route
- If available, see data below

### Inhalation (Vapor) Exposure Route
- If available, see data below

### Inhalation (Gas) Exposure Route
- If available, see data below

**Product Germ Cell Mutagenicity invitro Data**

No data available.

**Ingredient Germ Cell Mutagenicity invitro Data**

If available, see data below

**Product Germ Cell Mutagenicity invivo Data**

<table>
<thead>
<tr>
<th>Route</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>No data available</td>
</tr>
<tr>
<td>Dermal</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Dust/Mist)</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Vapor)</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Gas)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Ingredient Germ Cell Mutagenicity invivo Data**

<table>
<thead>
<tr>
<th>Route</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>No data available</td>
</tr>
<tr>
<td>Dermal</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Dust/Mist)</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Vapor)</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Gas)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Product Reproductive Toxicity Data**

<table>
<thead>
<tr>
<th>Route</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>No data available</td>
</tr>
<tr>
<td>Dermal</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Dust/Mist)</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Vapor)</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Gas)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Ingredient Reproductive Toxicity Data**

<table>
<thead>
<tr>
<th>Route</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>No data available</td>
</tr>
<tr>
<td>Dermal</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Dust/Mist)</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Vapor)</td>
<td>No data available</td>
</tr>
<tr>
<td>Inhalation (Gas)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

---

### Ecological Information

**Ecotoxicity**

**Product Ecological Data**

**Aquatic toxicity**

<table>
<thead>
<tr>
<th>Route</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td>No data available</td>
</tr>
<tr>
<td>Crustacea</td>
<td>No data available</td>
</tr>
<tr>
<td>Algae</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Ingredient Ecological Data**

**Aquatic toxicity**

<table>
<thead>
<tr>
<th>Route</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td>No data available</td>
</tr>
</tbody>
</table>

If available, see ingredient data below
### Chemical name

<table>
<thead>
<tr>
<th>Nitric acid, magnesium salt, hexahydrate (&lt;0.1%)</th>
<th>CAS#: 13446-18-9</th>
</tr>
</thead>
</table>

**Exposure time**
- 96 hours

**Species**
- *Lepomis macrochirus*

**Endpoint type**
- LC<sub>50</sub>

**Reported dose**
- 9000 mg/L

**Key literature references and sources for data**
- ECHA (The European Chemicals Agency)

### Crustacea

<table>
<thead>
<tr>
<th>Nitric acid, magnesium salt, hexahydrate (&lt;0.1%)</th>
<th>CAS#: 13446-18-9</th>
</tr>
</thead>
</table>

**Exposure time**
- 48 Hours

**Species**
- *Daphnia magna*

**Endpoint type**
- EC<sub>50</sub>

**Reported dose**
- 880 mg/L

**Key literature references and sources for data**
- ECHA (The European Chemicals Agency)

### Algae

<table>
<thead>
<tr>
<th>Nitric acid, magnesium salt, hexahydrate (&lt;0.1%)</th>
<th>CAS#: 13446-18-9</th>
</tr>
</thead>
</table>

**Exposure time**
- 72 Hours

**Species**
- *Scenedesmus subspicatus*

**Endpoint type**
- EC<sub>50</sub>

**Reported dose**
- > 100 mg/L

**Key literature references and sources for data**
- ECHA (The European Chemicals Agency)

### Other Information

**Persistence and degradability**

**Product Biodegradability Data**
No data available.

**Ingredient Biodegradability Data**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Test method</th>
<th>Biodegradation</th>
<th>Exposure time</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitric acid, magnesium salt, hexahydrate (&lt;0.1%) CAS#: 13446-18-9</td>
<td>None reported</td>
<td>None reported</td>
<td>None reported</td>
<td>Not readily biodegradable</td>
</tr>
</tbody>
</table>

**Bioaccumulation**

**Product Bioaccumulation Data**
No data available.

**Partition Coefficient (n-octanol/water)**
- Not applicable

**Ingredient Bioaccumulation Data**

**Mobility**

**Soil Organic Carbon-Water Partition Coefficient**
- Not applicable

**Water solubility**

<table>
<thead>
<tr>
<th>Water solubility classification</th>
<th>Water solubility</th>
<th>Water Solubility Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soluble</td>
<td>&gt; 1000 mg/L</td>
<td>25 °C / 77 °F</td>
</tr>
</tbody>
</table>

**Other adverse effects**
No information available.
13. Disposal considerations

Waste treatment 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. Transportation information

MEX
Not regulated

TDG
Not regulated

U.S. DOT
Not regulated

ICAO (air)
Not regulated

IATA
Not regulated

IMDG
Not regulated

RID
Not regulated

ADR
Not regulated

ADN
Not regulated

Additional information
There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is not in a reagent set or kit, the classification given above applies. If the item is part of a reagent set or kit the classification would change to the following: UN3316 Chemical Kit, Hazard Class 9, Packing Group II or III. If the item is not regulated, the Chemical Kit classification does not apply.

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.

DSL/NDSL Complies.

EINECS/ELINCS Complies.

ENCS Complies.

IECSC Complies.

KECL Complies.

PICCS Complies.

AICS Complies.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
16. Other information

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

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  SKN*  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) (AELGS)
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 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

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The information is believed to be accurate, but it is not exhaustive and must be used only as guidance. It is based on the current state of knowledge of the chemical substance or mixture and is applicable to the appropriate safety precautions for the product.

Disclaimer

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

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End of Safety Data Sheet