1. Product and Company Identification

Material name: CIDEX Plus 28 Day Solution
Issue date: 9/14/12
Change Order #: 1005190
CAS #: Mixture
Revision #: G
MSDS Number: 007
Manufacturer/Supplier: Advanced Sterilization Products
33 Technology Drive, Irvine, CA 92618
Telephone number: 1-800-755-5900

2. Hazards Identification

Physical state: Liquid.
Appearance: Unactivated, colorless liquid; Activated, green liquid.
Emergency overview: Causes skin, eye and respiratory tract irritation. May cause sensitization by skin contact.
OSHA regulatory status: This product is hazardous according to OSHA 29 CFR 1910.1200.
Potential health effects
- Routes of exposure: Inhalation. Ingestion. Skin contact. Eye contact.
- Eyes: Risk of serious damage to eyes.
- Skin: May cause skin irritation. May cause allergic skin reaction.
- Inhalation: Vapor may cause irritation of the upper respiratory tract (nose and throat) and lungs. May cause asthma-like symptoms in sensitive individuals.
- Ingestion: Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract. Ingestion of this product may cause nausea, vomiting and diarrhea.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene glycol</td>
<td>25322-68-3</td>
<td>&lt;20</td>
</tr>
<tr>
<td>Glutaraldehyde</td>
<td>111-30-8</td>
<td>&lt;5</td>
</tr>
</tbody>
</table>

Composition comments: All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures
- Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.
- Skin contact: Wash skin thoroughly with soap and water. Get medical attention if irritation develops and persists.
- Inhalation: Remove victim to fresh air. If breathing is difficult, give oxygen. Get medical attention.

---Verified on 2013-02 by Henry Schein to be the most current version of the MSDS. To be verified again on 2016-02.~
Ingestion

Immediately rinse mouth and drink plenty of water. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. If person becomes uncomfortable seek medical advice.

Notes to physician

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

General advice

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties

Fire or high temperatures create:

Extinguishing media

Suitable extinguishing media

Extinguish with water spray, carbon dioxide, dry chemical or material appropriate for the surrounding fire.

Unsuitable extinguishing media

None.

Protection of firefighters

Protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Move containers from fire area if you can do it without risk.

Hazardous combustion products

Carbon oxides.

6. Accidental Release Measures

Personal precautions

Avoid inhalation and contact with skin and eyes. Use personal protection as recommended in Section 8 of the MSDS.

Environmental precautions

Avoid discharge into storm drains, water courses or onto the ground.

Methods for containment

Stop leak if you can do so without risk.

Methods for cleaning up

Contain spill by placing suitable absorbent material around the edges of the spill and work inward. Carefully scoop up into waste container for disposal. For each estimated gallon of spill disperse about 228g of sodium bisulfite powder (CAS 7631-90-5) or 25g of glycine (56-40-6) on spill. Thoroughly blend into CIDEX Solution. Allow 5 minutes for neutralization. Dispose of in accordance with applicable Federal, State and Local Regulations. Following product recovery, flush area with water.

Other information

Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling

Provide adequate ventilation. Avoid inhalation of vapors/spray and contact with skin and eyes. Use in well-ventilated area and use with appropriate exhaust ventilation, for example a minimum of 10 air exchanges per hour or as defined by state and local regulations. Use appropriate Personal Protective Equipment. Wash thoroughly after handling. Observe good industrial hygiene practices.

Storage

Store in closed original container at temperatures at 15 - 30°C (59 - 86°F). Store away from incompatible materials.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde (111-30-8)</td>
<td>Ceiling</td>
<td>0.05 ppm</td>
</tr>
</tbody>
</table>

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde (111-30-8)</td>
<td>Ceiling</td>
<td>0.2 mg/m3</td>
</tr>
</tbody>
</table>

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde (111-30-8)</td>
<td>Ceiling</td>
<td>0.05 ppm</td>
</tr>
</tbody>
</table>
Canada. Ontario OELs. (Ministry of Labor - Control of Exposure to Biological or Chemical Agents)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde (111-30-8)</td>
<td>Ceiling</td>
<td>0.05 ppm</td>
</tr>
</tbody>
</table>

Canada. Quebec OELS. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde (111-30-8)</td>
<td>Ceiling</td>
<td>0.41 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 ppm</td>
</tr>
</tbody>
</table>

Mexico. Occupational Exposure Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde (111-30-8)</td>
<td>Ceiling</td>
<td>0.7 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.2 ppm</td>
</tr>
</tbody>
</table>

Exposure guidelines
Use personal protective equipment as required. Keep working clothes separately.

Engineering controls
Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. Use in well-ventilated area and use with appropriate exhaust ventilation, for example a minimum of 10 air exchanges per hour or as defined by state and local regulations.

Personal protective equipment

Eye / face protection
Wear safety glasses with side shields.

Skin protection
Wear chemical-resistant, impervious gloves. Suitable gloves can be recommended by the glove supplier. Wear suitable protective clothing.

Respiratory protection
In case of risk of inhalation of vapour/aerosols: Use high efficiency particulate respirator with appropriate filter.

General hygiene considerations
Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance
Unactivated, colorless liquid; Activated, green liquid.

Color
Unactivated, colorless; Activated, green.

Odor
Characteristic aldehyde.

Odor threshold
Not available.

Physical state
Liquid.

Form
Liquid.

pH
3.2 - 4.3 (unactivated)
7.5 - 8.1 (activated)

Melting point
Not available.

Freezing point
Not available.

Boiling point
Not available.

Flash point
Not available.

Evaporation rate
1

Flammability limits in air, upper, % by volume
Not available.

Flammability limits in air, lower, % by volume
Not available.

Vapor pressure
Not available.

Vapor density
1.1

Specific gravity
1.029

Solubility (water)
Completely Soluble.

Partition coefficient (n-octanol/water)
Not available.

Auto-ignition temperature
212 °F (100 °C)

Decomposition temperature
Not available.

10. Chemical Stability & Reactivity Information

Chemical stability
Stable under normal temperature conditions.

Conditions to avoid
Extremes of temperature, direct sunlight and prolonged heating at temperature above 40°C.
11. Toxicological Information

Toxicological data

<table>
<thead>
<tr>
<th>Product</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIDEX Plus 28 Day Solution (Mixture)</td>
<td>Acute Dermal LD50 Rabbit: &gt; 2000 mg/kg Acute Oral LD50 Rat: 4250 mg/kg</td>
</tr>
</tbody>
</table>

Acute effects: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Local effects: Causes skin and eye irritation. May cause irritation of respiratory tract.

Sensitization: May cause allergic skin reaction.

ACGIH Sensitizer
- Glutaraldehyde (CAS 111-30-8) Sensitizer.

Chronic effects: Not known.

Carcinogenicity: Not classified.

ACGIH Carcinogens
- Glutaraldehyde (CAS 111-30-8) A4 Not classifiable as a human carcinogen.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive effects: Not classified.

Symptoms and target organs: Sensitizing. Skin irritation. Irritation of eyes and mucous membranes. Upper respiratory tract irritation.

Further information: No other specific acute or chronic health impact noted.

12. Ecological Information

Ecotoxicological data

<table>
<thead>
<tr>
<th>Components</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene glycol (25322-68-3)</td>
<td>LC50 Atlantic salmon (Salmo salar): &gt; 1000 mg/l 96 hours</td>
</tr>
</tbody>
</table>

Ecotoxicity: Not expected to be harmful to aquatic organisms.

Environmental effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulation / Accumulation: No data available.

Partition coefficient (n-octanol/water): Not available.

Mobility in environmental media: The product is soluble in water.

13. Disposal Considerations

Disposal instructions: Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environment agency for specific rules). Do not dump in sewers, any body of water or on the ground.

14. Transport Information

DOT: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.
15. Regulatory Information

US federal regulations
This product is hazardous according to OSHA 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)
None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

<table>
<thead>
<tr>
<th>Hazard categories</th>
<th>Immediate Hazard</th>
<th>Delayed Hazard</th>
<th>Fire Hazard</th>
<th>Pressure Hazard</th>
<th>Reactivity Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 302 extremely hazardous substance (40 CFR 355, Appendix A)</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Section 311/312 (40 CFR 370)</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)
Not controlled

WHMIS status
Controlled

WHMIS classification
D1B - Immediate/Serious-TOXIC
D2B - Other Toxic Effects-TOXIC
E - Corrosive

WHMIS labeling

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

US - California Hazardous Substances (Director's): Listed substance
Glutaraldehyde (CAS 111-30-8) Listed.

US - Massachusetts RTK - Substance: Listed substance
Glutaraldehyde (CAS 111-30-8) Listed.

WARNING: This is a controlled proprietary and confidential document. Verify revision is current prior to use.
US - New Jersey RTK - Substances: Listed substance
Glutaraldehyde (CAS 111-30-8)  Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance
Glutaraldehyde (CAS 111-30-8)  Listed.

16. Other Information

HMIS® ratings
Health: 2
Flammability: 0
Physical hazard: 0

NFPA ratings
Health: 2
Flammability: 0
Instability: 0

Disclaimer
The information in the sheet was written based on the best knowledge and experience currently available.
1. Product and Company Identification

Material name: Activator for CIDEX Plus 28 Day Solution
Issue date: 9/14/12
Change Order #: 1005190
CAS #: Mixture
Revision #: E
MSDS Number: 012
Manufacturer/Supplier: Advanced Sterilization Products
33 Technology Drive, Irvine
CA 92618
Telephone number: 1-800-755-5900

2. Hazards Identification

Physical state: Liquid.
Appearance: Dark green liquid
Emergency overview: Not regarded as a health hazard under current legislation.
OSHA regulatory status: This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects
- Routes of exposure
  - Inhalation
  - Ingestion
  - Skin contact
  - Eye contact
- Eyes: May cause eye irritation on direct contact.
- Skin: Prolonged skin contact may cause temporary irritation.
- Inhalation: May be irritating to the respiratory tract - effects are reversible.
- Ingestion: Ingestion may cause irritation and malaise.
Target organs: Respiratory system Eye Skin
Chronic effects: Not known.
Signs and symptoms: Skin irritation. Irritation of eyes and mucous membranes. Upper respiratory tract irritation.
Potential environmental effects: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium acetate</td>
<td>127-08-2</td>
<td>&lt;40</td>
</tr>
<tr>
<td>Polyphosphoric acids, esters with triethanolamine, sodium salts</td>
<td>68131-72-6</td>
<td>&lt;30</td>
</tr>
</tbody>
</table>
Composition comments: All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures
- Eye contact: Flush thoroughly with water for at least 15 minutes. Get medical attention if irritation develops or persists.
- Skin contact: Wash skin thoroughly with soap and water. Get medical attention if irritation develops and persists.
- Inhalation: Remove victim to fresh air. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. If person becomes uncomfortable seek medical advice.
Notes to physician: Treat symptomatically.

WARNING: This is a controlled proprietary and confidential document. Verify revision is current prior to use.
General advice

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties

Fire or high temperatures create:

Extinguishing media

Suitable extinguishing media

Extinguish with water spray, carbon dioxide, dry chemical or material appropriate for the surrounding fire.

Unsuitable extinguishing media

None.

Protection of firefighters

Specific hazards arising from the chemical

None.

Protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Move containers from fire area if you can do it without risk.

Specific methods

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Hazardous combustion products

None known.

6. Accidental Release Measures

Personal precautions

Avoid inhalation and contact with skin and eyes. Use personal protection as recommended in Section 8 of the MSDS.

Environmental precautions

Avoid discharge into storm drains, water courses or onto the ground.

Methods for containment

Stop leak if you can do so without risk.

Methods for cleaning up

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Other information

Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling

Provide adequate ventilation. Avoid inhalation of vapors and spray mist and contact with skin and eyes. Use appropriate Personal Protective Equipment. Observe good industrial hygiene practices.

Storage

Store in closed original container at temperatures at 15 - 30°C (59 - 86°F).

8. Exposure Controls / Personal Protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye / face protection

Wear safety glasses with side shields.

Skin protection

Wear chemical-resistant, impervious gloves. Suitable gloves can be recommended by the glove supplier. Wear suitable protective clothing.

Respiratory protection

Under normal conditions, respirator is not normally required.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance

Dark green liquid

Color

Dark green.

Odor

Vinegar-like.

Odor threshold

Not available.

Physical state

Liquid.

Form

Liquid.

pH

7.8 - 8.2

Melting point

Not available.
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freezing point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability limits in air, upper, % by volume</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Soluble.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### 10. Chemical Stability & Reactivity Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable at normal conditions.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Temperatures above 40 °C</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Strong oxidizing agents.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Hazardous polymerization does not occur.</td>
</tr>
</tbody>
</table>

### 11. Toxicological Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute effects</td>
<td>Ingestion may cause irritation and malaise.</td>
</tr>
<tr>
<td>Local effects</td>
<td>May cause eye irritation on direct contact. Prolonged skin contact may cause temporary irritation. May be irritating to the respiratory tract - effects are reversible.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Chronic effects</td>
<td>Not known.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.</td>
</tr>
<tr>
<td>Reproductive effects</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Symptoms and target organs</td>
<td>Skin irritation. Irritation of eyes and mucous membranes. Upper respiratory tract irritation.</td>
</tr>
<tr>
<td>Further information</td>
<td>No other specific acute or chronic health impact noted.</td>
</tr>
</tbody>
</table>

### 12. Ecological Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxicity</td>
<td>Not expected to be harmful to aquatic organisms.</td>
</tr>
<tr>
<td>Environmental effects</td>
<td>An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.</td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>No data is available on the degradability of this product.</td>
</tr>
<tr>
<td>Bioaccumulation / Accumulation</td>
<td>No data available.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Mobility in environmental media</td>
<td>The product is soluble in water.</td>
</tr>
</tbody>
</table>

### 13. Disposal Considerations

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disposal instructions</td>
<td>Dispose of contents/container in accordance with local/regional/national/international regulations.</td>
</tr>
</tbody>
</table>
Waste from residues / unused products
Dispose in accordance with all applicable regulations.

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

TDG
Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations
This product is not hazardous according to OSHA 29CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)
None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A)
No

Section 311/312 (40 CFR 370)

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)
Not controlled

Canadian regulations
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status
Non-controlled

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
Mexico regulations

This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information

HMIS® ratings

Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings

Health: 1
Flammability: 0
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.