Process NPD® One–Step Germicidal Detergent
Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 01/30/2017

SECTION 1: Identification

1.1. Product Identifier

Product Form: Mixture
Product Name: Process NPD® One–Step Germicidal Detergent
Product Code: 6390

1.2. Intended Use of the Product

Use of the substance/mixture: Germicide, Fungicide, Virucide, Detergent, Deodorizer, Concentrate. For professional use only.

1.3. Name, Address, and Telephone of the Responsible Party

Company: STERIS Corporation
P. O. Box 147, St. Louis, MO 63166, US
Telephone Number for Information: 1-800-444-9009 (Customer Service - Scientific Products)
US Emergency Telephone No. 1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)
web: www.steris.com
email: asksteris_msds@steris.com

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

Classification (GHS-US)
Skin Corr. 1B H314
Eye Dam. 1 H318
STOT SE 3 H335

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling
Hazard Pictograms (GHS-US):

Signal Word (GHS-US): Danger
Hazard Statements (GHS-US):
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.

Precautionary Statements (GHS-US):
P260 - Do not breathe vapors, spray, mist.
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
P280 - Wear protective clothing, protective gloves, eye protection.
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363 - Wash contaminated clothing before reuse.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

2.3. Other Hazards

Other Hazards: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. If involved in a fire and thermal decomposition occurs, corrosive, toxic, and acrid vapors may be released.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: Composition/Information On Ingredients

3.1. Substance

Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
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<tbody>
<tr>
<td>Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides</td>
<td>(CAS No) 68424-95-3</td>
<td>5-10</td>
<td>Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides</td>
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<table>
<thead>
<tr>
<th>Constituent</th>
<th>(CAS No)</th>
<th>H-Statements</th>
<th>5-10</th>
<th>H-Statements</th>
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<tr>
<td>Ethanolamine</td>
<td>141-43-5</td>
<td>Flam. Liq. 4</td>
<td>H227</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>Acute Tox. 4 (Dermal), H312</td>
<td></td>
<td>Acute Tox. 4 (Inhalation:vapor), H332</td>
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<tr>
<td>Nonylphenol ethoxylates</td>
<td>9016-45-9</td>
<td>Acute Tox. 4 (Oral), H302</td>
<td></td>
<td>Skin Irrit. 2, H315</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid Measures After Skin Contact: Remove contaminated clothing and shoes. Immediately flush skin with plenty of water for at least 60 minutes. Wash immediately with plenty of soap and water. Seek medical attention. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician.

First-aid Measures After Ingestion: Rinse mouth thoroughly with water. Do NOT induce vomiting. Seek medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries After Inhalation: Causes severe skin burns and eye damage.

Symptoms/Injuries After Skin Contact: May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.

Symptoms/Injuries After Eye Contact: Causes severe skin burns. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Ingestion: Causes serious eye damage. Symptoms may include: redness, pain, swelling, itching, burning, tearing, and blurred vision.

Chronic Symptoms: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions are not expected to occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Keep upwind. Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen (NOx). Corrosive vapors

Other information: Do not allow run-off from fire fighting to enter drains or water sources.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice.
6.1. For Non-emergency Personnel

<table>
<thead>
<tr>
<th>Protective Equipment</th>
<th>Use appropriate personal protection equipment (PPE).</th>
</tr>
</thead>
</table>

6.2. For Emergency Responders

<table>
<thead>
<tr>
<th>Protective Equipment</th>
<th>Equip cleanup crew with proper protection.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Procedures</td>
<td>Stop leak if safe to do so. Ventilate area.</td>
</tr>
</tbody>
</table>

6.3. Methods and Material for Containment and Cleaning Up

- For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Do not use combustible absorbents such as: saw dust or cellulosic materials.
- Methods for Cleaning Up: Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry. Ventilate area. Cautiously neutralize spilled liquid.
- Small quantities of liquid spill: Take up in non-combustible absorbent material and shovel into container for disposal. Collect absorbed material and place into a sealed, labeled container for proper disposal. Clean up spills immediately and dispose of waste safely. If spilled directly onto the ground, remove sufficient soil to ensure material is fully recovered.

6.4. Reference to Other Sections

See Section 8: Exposure Controls and Personal Protection.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

- Additional Hazards When Processed: Handle in accordance with standard industrial practices, and ensure appropriate ventilation. Avoid all contact with skin, eyes, and clothing. Do not release into the environment.
- Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke in areas where product is used.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

- Technical Measures: Observe all regulations and local requirements regarding storage of containers.
- Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store away from oxygen and oxidizers. Storage areas should be periodically checked for corrosion and integrity. Detached outside storage is preferable.
- Pesticide Storage: Store in a secure area away from flammable materials. If frozen, thaw and re-mix before use.

7.3. Specific End Use(s)

Germicide, Fungicide, Virucide, Detergent, Deodorizer, Concentrate. For professional use only.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

<table>
<thead>
<tr>
<th>Ethanolamine (141-43-5)</th>
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<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (ppm)</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH STEL (ppm)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
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<td>NIOSH REL (TWA) (ppm)</td>
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<td>USA NIOSH</td>
<td>NIOSH REL (STEL) (mg/m³)</td>
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<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (STEL) (ppm)</td>
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<tr>
<td>USA IDLH</td>
<td>US IDLH (ppm)</td>
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</table>

<table>
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<tr>
<th>Ethyl alcohol (64-17-5)</th>
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</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH STEL (ppm)</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH chemical category</td>
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<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
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<td>OSHA PEL (TWA) (ppm)</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
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<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (ppm)</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>US IDLH (ppm)</td>
</tr>
</tbody>
</table>

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.
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**Materials for Protective Clothing**

- **Chemical resistant suit.**
- **Impermeable protective gloves.**
- **Chemical safety goggles.**
- **Chemical resistant suit.**
- **Rubber apron, boots.**
- **Respiratory protection.**

**Eye Protection**: A full face shield is recommended. Chemical safety goggles.

**Skin and Body Protection**: Wear suitable protective clothing. Chemical resistant suit. Rubber apron. boots. Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

**Respiratory Protection**: Do not eat, drink or smoke during use.

**SECTION 9: Physical And Chemical Properties**

**9.1. Information on Basic Physical and Chemical Properties**

- **Physical State**: Liquid
- **Appearance**: Clear, light yellow liquid
- **Odor**: Characteristic
- **Odor Threshold**: No data available
- **pH**: 10.6
- **Evaporation rate**: No data available
- **Melting Point**: No data available
- **Freezing Point**: No data available
- **Boiling Point**: No data available
- **Flash Point**: > 200 °F, ASTM 56 (Tag Closed Cup) (>93.33 °C)
- **Auto-ignition Temperature**: No data available
- **Decomposition Temperature**: No data available
- **Flammability (solid, gas)**: No data available
- **Vapor Pressure**: No data available
- **Relative Vapor Density at 20 °C**: No data available
- **Relative Density**: No data available
- **Specific Gravity**: 1.025 g/mL
- **Solubility**: Complete in water
- **Partition coefficient: n-octanol/water**: No data available
- **Viscosity**: No data available
- **Explosive Properties**: Product is not explosive.
- **Explosion Data – Sensitivity to Mechanical Impact**: Not expected to present an explosion hazard due to mechanical impact
- **Explosion Data – Sensitivity to Static Discharge**: Not expected to present an explosion hazard due to static discharge

**9.2. Other Information**

No additional information available

**SECTION 10: Stability And Reactivity**

**10.1 Reactivity**: Hazardous reactions are not expected to occur under normal conditions.

**10.2 Chemical Stability**: Stable under recommended handling and storage conditions (see section 7).

**10.3 Possibility of Hazardous Reactions**: Hazardous polymerization will not occur.

**10.4 Conditions to Avoid**: Direct sunlight, extremely high or low temperatures, incompatible materials.


**10.6 Hazardous Decomposition Products**: Thermal decomposition generates: Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen (NOx). Corrosive vapors.

**SECTION 11: Toxicological Information**

**11.1 Information On Toxicological Effects**

- **Acute Toxicity: Not classified**
- **Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides (68424-95-3)**
  - **ATE (Oral)**: 500.00 mg/kg body weight
  - **ATE (Dermal)**: 1,100.00 mg/kg body weight

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01/30/2017 EN (English US) SDS Ref.: 6390US 4/8
### Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

<p>| | |</p>
<table>
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<tbody>
<tr>
<td>LD50 Oral Rat</td>
<td>426 mg/kg</td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>1720 mg/kg</td>
</tr>
<tr>
<td>ATE (Vapors)</td>
<td>1025 mg/kg</td>
</tr>
</tbody>
</table>

### Ethanolamine (141-43-5)

<p>| | |</p>
<table>
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<tbody>
<tr>
<td>LD50 Oral Rat</td>
<td>10470 mg/kg</td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>20 ml/kg</td>
</tr>
<tr>
<td>LC50 Inhalation Rat</td>
<td>124.7 mg/l/4h</td>
</tr>
</tbody>
</table>

### Ethyl alcohol (64-17-5)

<p>| | |</p>
<table>
<thead>
<tr>
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### Nonylphenol ethoxylates (9016-45-9)

<p>| | |</p>
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<tbody>
<tr>
<td>LD50 Oral Rat</td>
<td>1310 mg/kg HSDB</td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>1780 ml/kg</td>
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</table>

### Skin Corrosion/Irritation

Causes severe skin burns and eye damage.

### pH

- Ethanolamine: 10.6
- Ethyl alcohol: 10.6

### Specific Target Organ Toxicity (Single Exposure)

- Ethanolamine: Not classified
- Ethyl alcohol: May cause respiratory irritation.

### Additional information

- Ethanolamine CAS (141-43-5) Classified as STOT SE 3 when greater than 5%.

### Process NPD® One–Step Germicidal Detergent

### Toxicity

- **Ecology - General**: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

#### Ethanolamine (141-43-5)

- LC50 Fish 1: 227 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
- EC50 Daphnia 1: 65 mg/l (Exposure time: 48 h - Species: Daphnia magna)
- LC 50 Fish 2: 3684 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])

#### Ethyl alcohol (64-17-5)

- LC50 Fish 1: 12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
- EC50 Daphnia 1: 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
- LC 50 Fish 2: > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

#### Nonylphenol ethoxylates (9016-45-9)

- EC50 Daphnia 1: 1.821 mg/l

### Persistence and Degradability

- Ethanolamine (141-43-5): Not established.
- Ethyl alcohol (64-17-5): Not established.

### Bioaccumulative Potential

- Ethanolamine (141-43-5): Log Pow: -1.91 (at 25 °C)
- Ethyl alcohol (64-17-5): Log Pow: -0.32

### Section 12: Ecological Information

#### 12.1. Toxicity

**Ecology - General**: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and Degradability

**Ethanolamine (64-17-5)**

- Persistence and Degradability: Not established.

### 12.3. Bioaccumulative Potential

**Ethanolamine (141-43-5)**

- Log Pow: -1.91 (at 25 °C)

**Ethyl alcohol (64-17-5)**

- Log Pow: -0.32

- Bioaccumulative Potential: Not established.
12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

No additional information available

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to the label directions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Do not contaminate water, food or feed by storage or disposal.

Container Disposal: For packet: Non refillable container. Do not reuse or reﬁll this container. Offer for recycling if available.

For ≤5 gal.: Nonrefillable container. Do not reuse or reﬁll this container. Offer for recycling.

If available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the ﬂow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds.

Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the ﬂow begins to drip. Repeat this procedure two more times.

For > 5 gal.: Nonrefillable container. Do not reuse or reﬁll this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Sewage Disposal Recommendations: Do not dispose of waste into sewer.

Waste Disposal Recommendations: Do not dispose of waste into sewer. Do not empty into drains; dispose of this material and its container in a safe way.

Disposal of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: Transport Information

14.1 In Accordance with DOT

Proper Shipping Name: DISINFECTANTS, LIQUID, CORROSIVE N.O.S. (QUATERNARY AMMONIUM COMPOUNDS)
Hazard Class: 8
Identification Number: UN1903
Label Codes: 8
Packing Group: III
ERG Number: 153

14.2 In Accordance with IMDG

Proper Shipping Name: DISINFECTANTS, LIQUID, CORROSIVE N.O.S. (QUATERNARY AMMONIUM COMPOUNDS)
Hazard Class: 8
Identification Number: UN1903
Packing Group: III
Label Codes: 8
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-B

14.3 In Accordance with IATA

Proper Shipping Name: DISINFECTANTS, LIQUID, CORROSIVE N.O.S. (QUATERNARY AMMONIUM COMPOUNDS)
Packing Group: III
Identification Number: UN1903
Hazard Class: 8
Label Codes: 8
ERG Code (IATA): 8L

14.4 In Accordance with TDG

Proper Shipping Name: DISINFECTANTS, LIQUID, CORROSIVE N.O.S. (QUATERNARY AMMONIUM COMPOUNDS)
Packing Group: III
Hazard Class: 8
Identification Number: UN1903
Label Codes: 8
**SECTION 15: Regulatory Information**

### 15.1 US Federal Regulations

The product is US EPA registered pesticide.

**EPA FIFRA Pesticide Notice**: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide laws. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

**EPA FIFRA Signal Word**: DANGER

**EPA FIFRA Hazard Statement**: Keep Out of Reach of Children.

**EPA FIFRA Precautionary Statements**: Hazard to Humans and Domestic Animals. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if absorbed through the skin. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. Wear safety goggles, protective clothing and rubber gloves. Do not breathe vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

**SARA Section 311/312 Hazard Classes**: Immediate (acute) health hazard

<table>
<thead>
<tr>
<th>Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides (68424-95-3)</th>
<th>Listed on the United States TSCA (Toxic Substances Control Act) inventory</th>
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**EPA TSCA Regulatory Flag**: S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule.

### 15.2 US State Regulations

**Ethanolamine (141-43-5)**

- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

**Ethyl alcohol (64-17-5)**

- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

### 15.3. Canadian Regulations

Not Applicable

**SECTION 16: Other Information, Including Date Of Preparation Or Last Revision**

<table>
<thead>
<tr>
<th>Revision date</th>
<th>01/30/2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Information</td>
<td>This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.</td>
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</tbody>
</table>

**GHS Full Text Phrases:**

| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4 |
| Acute Tox. 4 (Inhalation:vapor) | Acute toxicity (inhalation:vapor) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Aquatic Acute 2 | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Chronic Hazard Category 2 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Eye Irrit. 2B | Serious eye damage/eye irritation Category 2B |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| Flam. Liq. 4 | Flammable liquids Category 4 |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H225 | Highly flammable liquid and vapor |
### Process NPD® One–Step Germicidal Detergent

**Safety Data Sheet**

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>H227</th>
<th>Combustible liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H320</td>
<td>Causes eye irritation</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H401</td>
<td>Toxic to aquatic life</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

**NFPA Health Hazard**: 3 – Short exposure could cause serious temporary or residual injury even through prompt medical attention was given.

**NFPA Fire Hazard**: 1 - Must be preheated before ignition can occur.

**NFPA Reactivity**: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

**Party Responsible for the Preparation of This Document**

STERIS Corporation

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*