## SECTION 1: Identification

### 1.1. Product Identifier

<table>
<thead>
<tr>
<th>Product Form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>Coverage Plus NPD® One-Step Disinfectant</td>
</tr>
<tr>
<td>Product Code</td>
<td>6387</td>
</tr>
</tbody>
</table>

### 1.2. Intended Use of the Product

Use of the substance/mixture: For Hospitals, Institutional and Industrial Use
One-Step Disinfectant, Cleaner, Sanitizer, Fungicide, Mildewstat, Virucide, Deodorizer

### 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](http://www.steris.com)  
email: [asksteris_msds@steris.com](mailto:asksteris_msds@steris.com)

## SECTION 2: Hazards Identification

### 2.1. Classification of the Substance or Mixture

<table>
<thead>
<tr>
<th>Classification (GHS-US)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 3</td>
<td>H226</td>
</tr>
<tr>
<td>Acute Tox. (Oral) 4</td>
<td>H302</td>
</tr>
<tr>
<td>Acute Tox. (Dermal) 4</td>
<td>H312</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>H314</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>H318</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

### 2.2. Label Elements

GHS-US Labeling

- **Hazard Pictograms (GHS-US)**
  - GHS02
  - GHS05
  - GHS07

- **Signal Word (GHS-US)**: DANGER
- **Hazard Statements (GHS-US)**
  - H226 – Flammable liquid and vapour.
  - H302+H312 – Harmful if swallowed or in contact with skin.
  - H314 – Causes severe skin burns and eye damage.
  - H318 – Causes serious eye damage.

- **Precautionary Statements (GHS-US)**
  - P210 – Keep away from heat, open flames, hot surfaces, sparks. - No smoking.
  - P233 – Take precautionary measures against static discharge.
  - P243 – Keep container tightly closed.
  - P264 – Wash hands, forearms, and exposed areas thoroughly after handling.
  - P270 – Do not eat, drink or smoke when using this product.
  - P280 – Wear protective clothing, protective gloves, eye protection, face protection.
  - P301+P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
  - P301+P330+P331 + P310 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
  - P303+P361+P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - P304+P340 – IF INHALED: Remove victim 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.
  - P370+P378 – In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
  - P403+P235 – Store in a well-ventilated place. Keep container tightly closed.
  - P501 – Dispose of contents/container in accordance with applicable local, national and international regulation.

### 2.3. Other Hazards

Other Hazards: None known.

## SECTION 3: Composition/Information On Ingredients

### 3.1. Substance

Not applicable
Coverage Plus NPD®
One-Step Disinfectant
Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quaternary ammonium compounds, di-C8-10 alkyldimethyl, chlorides</td>
<td>(CAS No) 68424-95-3</td>
<td>12.26 – 13.66</td>
<td>Acute Tox. (Oral) 4, H302</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides</td>
<td>(CAS No) 68424-85-1</td>
<td>8.20 – 9.10</td>
<td>Acute Tox. (Dermal) 4, H312</td>
</tr>
<tr>
<td>Ethanol</td>
<td>(CAS No) 64-17-5</td>
<td>1.00 – 5.00</td>
<td>Skin Corr. 1B, H314</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 After Inhalation: Remove person to fresh air. If signs/ symptoms continue, get medical attention.

First-aid Measures After Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

First-aid Measures After Ingestion: Immediately give large quantities of water to drink. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician immediately.

First-aid Measures After Skin Contact: Take off all contaminated clothing immediately. After contact with skin, wash immediately with plenty of soap and water. Call a physician immediately.

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

Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Symptoms/Injuries After Skin Contact: Corrosive. Causes serious skin burns.

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

Note to Physician: Treat symptomatically.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing Media


Unsuitable Extinguishing Media: None known.

5.2. Special Hazards Arising From the Substance or Mixture

Heating or fire can release toxic gas.

5.3. Advice for Firefighters

Firefighting Instructions: Use water spray to cool unopened containers.

Protection During Firefighting: In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not flush into surface water or sanitary sewer system.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use respirator when performing operations involving potential exposure to vapour of the product.

Emergency Procedures: Use water spray to cool unopened containers.

6.1.2. For Emergency Responders

Protective Equipment: Use respirator when performing operations involving potential exposure to vapour of the product.

6.2. Environmental Precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

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
Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

7.2. Conditions for Safe Storage, Including Any Incompatibilities
Storage Conditions: To maintain product quality, do not store in heat or direct sunlight. Keep container tightly closed in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

7.3. Specific End Use(s)
For Hospitals, Institutional and Industrial Use
One-Step Disinfectant, Cleaner, Sanitizer, Fungicide, Mildewstat, Virucide, Deodorizer

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>STEL</td>
<td>1,000 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>REL</td>
<td>1,000 ppm</td>
<td>NIOSH/GUIDE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL</td>
<td>1,000 ppm</td>
<td>OSHA_TRANS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>Z1A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>1,000 ppm</td>
<td>CAD ON OEL</td>
</tr>
</tbody>
</table>

8.2. Exposure Controls
Appropriate Engineering Controls: Use in area with adequate ventilation.
Personal Protective Equipment: Avoid all unnecessary exposure. Personal protective equipment should be selected based upon the conditions which this product is handled or used. Protective clothing, gloves, glasses or shield.

Hand Protection: Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Eye Protection: Tightly fitting safety goggles or face shield as appropriate to work situation.
Skin and Body Protection: Choose body protection according to the amount and concentration of the dangerous substances at the workplace.
Respiratory Protection: In the case of aerosol formulation use a respirator with an approved filter.
Consumer Exposure Controls: Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing and gloves.

SECTION 9: Physical And Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

| Physical State | Liquid |
| Appearance     | Clear straw |
| Odor           | Mild chemical odor |
| Odor Threshold | No data available |
| pH             | 13.0 |
| Evaporation rate | No data available |
| Melting Point  | No data available |
| Freezing Point | No data available |
| Boiling Point  | No data available |
| Flash Point    | 51.66°C |
| Auto-ignition Temperature | No data available |
| Decomposition Temperature | No data available |
| Flammability (solid, gas) | Flammable |
| Vapor Pressure | No data available |
Coverage Plus NPD®
One-Step Disinfectant

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Relative Vapor Density at 20 °C: No data available
Specific Gravity: Approximately 1.0
Solubility: Soluble
Partition coefficient: n-octanol/water: No data available
Viscosity: No data available

**SECTION 10: Stability And Reactivity**

10.1 Reactivity:
Stable under recommended storage conditions.

10.2 Chemical Stability:
None known.

10.3 Possibility of Hazardous Reactions:
None known.

10.4 Conditions to Avoid:
None known.

10.5 Incompatible Materials:
None known.

10.6 Hazardous Decomposition Products:
May include and are not limited to: Toxic vapors/fumes of amines. Carbon oxides. Nitrogen oxides.

**SECTION 11: Toxicological Information**

11.1 Information On Toxicological Effects

**Coverage Plus NPD® One-Step Disinfectant**

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Toxicity</th>
<th>Species</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity (LD50)</td>
<td>1,050 mg/kg</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>Acute dermal toxicity (LD50)</td>
<td>1,100 mg/kg</td>
<td>Rabbit</td>
<td></td>
</tr>
</tbody>
</table>

| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1) |
|-----------------|----------|---------|---------------|
| Route of Exposure | Toxicity | Species | Exposure time |
| Acute oral toxicity (LD50) | ca. 344 mg/kg | Rat | |
| Acute dermal toxicity (LD50) | ca 3,340 mg/kg | Rabbit | 24 h |

Skin Corrosion/Irritation: Causes severe skin burns.
Serious Eye Damage/Irritation: Causes serious eye damage.
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: Not classified
Symptoms/Injuries After Eye Contact: Causes serious eye damage.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
Symptoms/Injuries After Skin Contact: Corrosive. Causes serious skin burns.

**SECTION 12: Ecological Information**

12.1 Toxicity

Ecotoxicity: No data available.

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Toxicity</th>
<th>Species</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 (fish)</td>
<td>0.28 mg/l</td>
<td>Pimephales promelas (flathead minnow)</td>
<td>96 h</td>
</tr>
<tr>
<td>EC50 (daphnia)</td>
<td>0/016 mg/l</td>
<td>Daphnia magna (Water flea)</td>
<td>48 h</td>
</tr>
</tbody>
</table>

12.2 Persistence and Degradability

No data available.

12.3 Bioaccumulative Potential

No data available.
Coverage Plus NPD®
One-Step Disinfectant

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12.4. Mobility in Soil

Distribution among environmental compartments: Adsorption/Soil Method: EPA:FIFRA.

12.5. Other Adverse Effects

No data available.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

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

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these container are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

SECTION 14: Transport Information

14.1 In Accordance with DOT

In accordance with DOT

Transport document description: UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary Ammonium Compounds), 8, PG II

Proper Shipping Name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

UN-No.(DOT): 1903

UN-No.(DOT): UN1903

Department of Transportation (DOT) Hazard Classes: 8 - Class 8 - Corrosive material 49 CFR 173.136

Hazard labels (DOT): 8 - Corrosive

Packing group (DOT): II

14.2 In Accordance with IMDG

Class: IMDG

UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary Ammonium Compounds), 8, PG II

14.3 In Accordance with IATA

Class: ICAO/IATA

UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary Ammonium Compounds), 8, PG II

SECTION 15: Regulatory Information

15.1 US Federal Regulations

Coverage Plus NPD®
One-Step Disinfectant

EPA FIFRA Pesticide Product Notice

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

EPA FIFRA Signal Word

Danger

EPA FIFRA Hazard Statements

Keep out of reach of children.
Corrosive.
Causes irreversible eye damage and skin burns.
Do not get in eyes, on skin or on clothing.
Wear protective eyewear (goggles, face shield, or safety glasses), protective clothing and protective (rubber or chemical resistant) gloves.

Harmful if swallowed and/or if absorbed through the skin.
Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
Remove contaminated clothing and wash clothing before reuse.

EPA FIFRA Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.
Coverage Plus NPD®
One-Step Disinfectant
Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.2 US State Regulations
California Prop 65
This product does not contain any chemical known to the State of California to cause cancer, birth defects, or any other reproductive harm.

15.3 Canadian Regulations
Not Applicable

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

Revision date: 01/07/2019
Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

| Flam. Liq. 3 | Flammable liquids Category 3 |
| Flam Liq. 2 | Flammable liquids Category 2 |
| Acute Tox 4 (Oral) | Acute toxicity (oral) Category 4 |
| Acute Tox 3 (Oral) | Acute toxicity (oral) Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4 |
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal) Category 3 |
| Skin Corr. 1B | Skin corrosion Category 1B |
| Skin Corr. 1C | Skin corrosion Category 1C |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Eye Dam. 1 | Eye damage/eye Category 1 |
| H225 | Highly flammable liquid and vapour |
| H226 | Flammable liquid and vapour. |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H311 | Toxic in contact with skin |
| H312 | Harmful if in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |

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

NFPA Fire Hazard: 2 - Must be moderately heated or exposed to relatively high temperature 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.