



STERIS®

# Coverage Plus NPD® One-Step Disinfectant

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Date of issue: 07/23/2015

Version: 1.0

### SECTION 1: Identification

#### 1.1. Product Identifier

Product Form : Mixture  
Product Name : Coverage Plus NPD®  
One-Step Disinfectant  
Product Code : 6387

#### 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

##### Classification (GHS-US)

Flam. Liq. 3 H226  
Acute Tox. (Oral) 4 H302  
Acute Tox. (Dermal) 4 H312  
Skin Corr. 1B H314  
Eye Dam. 1 H318  
Full text of H-phrases: see section 16

#### 2.2. Label Elements - This label is regulated by the EPA under FIFRA. Refer to Section 15.

##### GHS-US Labeling

Hazard Pictograms (GHS-US) :



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 – Keep container tightly closed.  
P243 – Take precautionary measures against static discharge.  
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<sup>®</sup> One-Step Disinfectant

## Safety Data Sheet

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

### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Quaternary ammonium compounds, di-C8-10 alkyldimethyl, chlorides	(CAS No) 68424-95-3	12.26 – 13.66	Acute Tox. (Oral) 4, H302 Acute Tox. (Dermal) 4, H312 Skin Corr. 1B, H314
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(CAS No) 68424-85-1	8.20 – 9.10	Acute Tox. (Oral) 3, H301 Acute Tox. (Dermal) 3, H311 Skin Corr. 1C, H314 Eye Dam. 1, H318
Ethanol	(CAS No) 64-17-5	1.00 – 5.00	Flam. Liq. 2, H225 Eye Irrit. 2A, H319

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

- Suitable Extinguishing Media : Water spray. Dry powder. Foam.
- 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.
- Methods for Cleaning Up

### 6.4. Reference to Other Sections

See Section 8: Exposure Controls and Personal Protection.

# Coverage Plus NPD<sup>®</sup> One-Step Disinfectant

## Safety Data Sheet

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

### 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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	STEL	1,000 ppm	ACGIH
		REL	1,000 ppm 1,900 mg/m3	NIOSH/GUIDE
		PEL	1,000 ppm 1,900 mg/m3	OSHA_TRANS
		TWA	1,000 ppm 1,900 mg/m3	Z1A
		STEL	1,000 ppm	CAD ON OEL

#### 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 work place  
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<sup>®</sup> One-Step Disinfectant

## Safety Data Sheet

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

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

### 9.2. Other Information

No additional information 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

Likely Routes of Exposure: Inhalation, ingestion, eyes, skin.

#### Coverage Plus NPD<sup>®</sup> One-Step Disinfectant

Acute oral toxicity (LD50)	1,050 mg/kg Species: Rat
Acute dermal toxicity (LD50)	1,100 mg/kg Species: Rabbit

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

Acute oral toxicity (LD50)	ca. 344 mg/kg Species: Rat
Acute dermal toxicity (LD50)	ca 3,340 mg/kg Species: Rabbit Exposure time: 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)

LC50 (fish)	0.28 mg/l Species: Pimephales promelas (flathead minnow) Exposure time: 96 h
EC50 (daphnia)	0/016 mg/l Species: Daphnia magna (Water flea) Exposure time: 48 h

### 12.2. Persistence and Degradability

No data available.

# Coverage Plus NPD<sup>®</sup> One-Step Disinfectant

## Safety Data Sheet

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

### 12.3. Bioaccumulative Potential

No data available.

### 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 <sup>®</sup> 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.

# Coverage Plus NPD<sup>®</sup> One-Step Disinfectant

## Safety Data Sheet

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

EPA FIFRA Precautionary Statements	HAZARDS TO HUMANS AND DOMESTIC ANIMALS.
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### 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.
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### 15.3. Canadian Regulations

Not Applicable

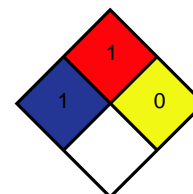
## SECTION 16: Other Information, Including Date Of Preparation Or Last Revision

Revision date : 07/23/2015  
 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 vapor
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 : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is 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.*

STERIS NA GHS SDS