



# Coverage<sup>®</sup> Plus Germicidal Surface Wipes

## Disinfecting/Deodorizing/Cleaning Wipes

### Safety Data Sheet

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

Date of issue: 06/24/2015

Version: 1.0

#### SECTION 1: Identification

##### 1.1. Product Identifier

Product Form : Mixture  
 Product Name : Coverage<sup>®</sup> Plus Germicidal Surface Wipes  
 Disinfecting/Deodorizing/Cleaning Wipes  
 Product Code : 1608

##### 1.2. Intended Use of the Product

Use of the substance/mixture : Virucidal, Bactericidal, Pseudomonocidal, Tuberculocidal, Fungicidal  
 For use on Environmental Surfaces  
 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](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. Solid 3 H225  
 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) :



GHS02

Signal Word (GHS-US) : Warning  
 Hazard Statements (GHS-US) : H225 – Highly flammable liquid and vapor  
 Precautionary Statements (GHS-US) : P210- Keep away from heat, open flame, sparks. – No smoking.  
 P280 - Wear protective clothing, protective gloves, eye protection.  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
 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

No data available

##### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

#### SECTION 3: Composition/Information On Ingredients

##### 3.1. Substance

Not applicable

##### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Isopropanol	(CAS No) 67-63-0	40-45	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Glycol Ether	Trade Secret	1-5	Not classified.
Aliphatic Polymer	Trade Secret	1-5	Not classified.
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	(CAS No) 85409-23-0	<1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	(CAS No) 68391-01-5	<1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400

Full text of H-phrases: see section 16

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#### 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   | : | Move to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists.          |
| First-aid Measures After Skin Contact | : | Wash affected area with soap and water. Rinse/flush exposed skin gently using water for 12-20 minutes. Seek medical attention if irritation persists or if concerned. |
| First-aid Measures After Eye Contact  | : | Protect unexposed eye. Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.   |
| First-aid Measures After Ingestion    | : | Dilute mouth with water or milk after rinsing. Immediately get medical assistance. Induce vomiting if directed to do so by medical personnel.                         |

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

- |                                      |   |   |
|--------------------------------------|---|---|
| Symptoms/injuries after inhalation   | : | In case of repeated or prolonged exposure: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. |
| Symptoms/injuries after skin contact | : | Causes skin irritation.   |
| Symptoms/injuries after eye contact  | : | Causes eye irritation.  |
| Symptoms/injuries after ingestion    | : | Can occur: Gastrointestinal disturbance.  |

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

If seeking medical attention, provide SDS document to physician. Physician should treat symptomatically.

#### SECTION 5: Fire-Fighting Measures

##### 5.1. Extinguishing Media

- |                                |   |  |
|--------------------------------|---|--|
| Suitable Extinguishing Media   | : | Water. Dry chemical. Chemical foam. Carbon dioxide (CO <sub>2</sub> ) or alcohol-resistant foam. |
| Unsuitable Extinguishing Media | : | No data available.   |

##### 5.2. Special Hazards Arising From the Substance or Mixture

No data available.

##### 5.3. Advice for Firefighters

- |                                |   |  |
|--------------------------------|---|--|
| Precautionary Measures Fire    | : | Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Do not inhale, gases, fumes, dust, mist, vapor and aerosols. |
| Firefighting Instructions      | : | Use standard firefighting procedures and consider the hazards of other involved materials.   |
| Protection During Firefighting | : | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  |

#### SECTION 6: Accidental Release Measures

##### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

- |   |   |  |
|---|---|--|
| General Measures                          | : | Keep away from ignition sources. Protect from heat.  |
| <b>6.1.1. For Non-emergency Personnel</b> |   |  |
| Protective Equipment                      | : | Wear gloves, safety glasses or goggles, respiratory protection when high concentration is present. |
| Emergency Procedures                      | : | Evacuate unnecessary personnel. Keep upwind.   |
| <b>6.1.2. For Emergency Responders</b>    |   |  |
| Protective Equipment                      | : | Equip cleanup crew with proper protection.   |
| Emergency Procedures                      | : | Stop leak if safe to do so. Ventilate area.  |

##### 6.2. Environmental Precautions

Prevent from reaching drains, sewer or waterway. Should not be released into environment.

##### 6.3. Methods and Material for Containment and Cleaning Up

- |                                  |   |  |
|----------------------------------|---|--|
| For Containment                  | : | Use spark-proof tools and explosion-proof equipment. Have fire extinguishing agent available in case of fire. Always obey local regulations.   |
| Methods for Cleaning Up          | : | Collect liquids using vacuum or by use of absorbents. Place into properly labeled containers for recovery or disposal. Remove all sources of ignition. Contain spills then collect. Do not flush to sewer. |
| Small quantities of liquid spill | : | Absorb with a noncombustible absorbent material such as sand or earth and containerize for disposal. Ventilate area of spill.  |

##### 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 | : | Empty containers retain product residue and can be dangerous.  |
| Hygiene Measures                  | : | Do not eat, drink or smoke, or use personal products when handling, chemical substances. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. |

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#### 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 cool area. Store securely in a flammable storage area away from sources of ignition. Provide ventilation for containers. Avoid storage near extreme heat, ignition source or open flame. Keep container tightly sealed. Protect from freezing and physical damage. Store away from incompatible material.  
Incompatible Products : Strong oxidizers, heat, sparks, open flames. Will attack some forms of rubber, plastics and coatings. May react with metallic aluminum and generate hydrogen gas.

#### 7.3. Specific End Use(s)

Virucidal, Bactericidal, Pseudomonocidal, Tuberculocidal, Fungicidal

For use on Environmental Surfaces

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).

Isopropanol (67-63-0)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	400 ppm
USA NIOSH	NIOSH REL (STEL) (ppm)	500 ppm
USA NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>

#### 8.2. Exposure Controls

- Appropriate Engineering Controls :  
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits (OELs) indicated above.)  
Personal Protective Equipment : Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.



- Eye Protection : Safety glasses with side shields or goggles.  
Skin and Body Protection : Select glove material with impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation.  
Respiratory Protection : Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present.  
Consumer Exposure Controls : Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Perform routine housekeeping. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

### SECTION 9: Physical And Chemical Properties

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

- Physical State : Liquid, white cloth  
Appearance : Clear  
Odor : Alcohol  
Odor Threshold : No data available  
pH : No data available  
Evaporation rate : 3.0  
Melting Point : -88°C  
Freezing Point : -88°C  
Boiling Point : ~82°C  
Flash Point : 82°F/27°C  
Auto-ignition Temperature : 425.0°C  
Decomposition Temperature : No data available  
Flammability (solid, gas) : Flammable  
Vapor Pressure : ~33 at 20°C  
Relative Vapor Density at 20 °C : No data available  
Relative Density : 0.88 g/mL at 25°C  
Specific Gravity : No data available.  
Solubility : Infinite solubility

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Viscosity	: No data available
Explosive Properties	: Lower limit 2%, Upper Limit 12.7%
Explosion Data – Sensitivity to Mechanical Impact	: No data available
Explosion Data – Sensitivity to Static Discharge	: No data available

#### 9.2. Other Information

No additional information available

### SECTION 10: Stability And Reactivity

#### 10.1 Reactivity:

None under normal processing.

#### 10.2 Chemical Stability:

No decomposition if used and stored according to specifications. Stable under normal conditions.

#### 10.3 Possibility of Hazardous Reactions:

Flammable. Used empty containers may contain product gases which form explosive mixtures with air. Can form explosive mixture if air is heated above flash point and/or when sprayed or atomised.

#### 10.4 Conditions to Avoid:

Contact with incompatible materials.

#### 10.5 Incompatible Materials:

Strong oxidizers, heat, sparks, open flames. Will attack some forms of rubber, plastics and coatings. May react with metallic aluminum and generate hydrogen gas.

#### 10.6 Hazardous Decomposition Products:

Toxic oxides of carbon, acrid and irritating fumes.

#### 11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

Isopropanol (67-63-0)	
LD50 Oral Rat	5,045 mg/kg
LC50 Inhalation Rat	16000 ppg/8 h
LD50 Dermal Rabbit	12,800 mg/kg

Germ Cell Mutagenicity	: No additional information.
Teratogenicity	: Not classified
Carcinogenicity	: No additional information.
Reproductive Toxicity	: No additional information.
Specific Target Organ Toxicity (Single Exposure)	: No additional information.
Specific Target Organ Toxicity (Repeated Exposure)	: No additional information.
Aspiration Hazard	: No additional information.
Chronic Symptoms	: No additional information.

### SECTION 12: Ecological Information

#### 12.1. Toxicity

Ecology - General : No additional information.

Isopropanol (67-63-0)		
LC 50 Fish	Pimephales promelas (fathead minnow)	9640.00 mg/l 96 h
EC50 Daphnia	Daphnia magna (water flea)	5,102.00 mg/l 24 h
EC50 Algae	Desmodesmus subspicatus (green algae)	2,000 mg/l 72 h

#### 12.2. Persistence and Degradability

No data available.

#### 12.3. Bioaccumulative Potential

No data available.

#### 12.4. Mobility in Soil

Aqueous solution has high mobility in soil.

#### 12.5. Other Adverse Effects

No information.

### SECTION 13: Disposal Considerations

#### 13.1. Waste treatment methods

DISPOSAL	: Do not reuse wipe. Dispose of used wipe in trash.
CONTAINER DISPOSAL	: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available.

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#### SECTION 14: Transport Information

##### 14.1 In Accordance with DOT

Proper Shipping Name : SOLIDS CONTAINING FLAMMABLE LIQUID N.O.S. (Isopropyl Alcohol)  
Hazard Class : 4.1  
Identification Number : UN3175  
Packing Group : II  
Label Codes : LTD QTY

##### 14.2 In Accordance with IMDG

Proper Shipping Name : SOLIDS CONTAINING FLAMMABLE LIQUID N.O.S. (Isopropyl Alcohol)  
Hazard Class : 4.1  
Identification Number : UN3175  
Packing Group : II  
Label Codes : LTD QTY

##### 14.3 In Accordance with IATA

Not packaged for air shipment.

#### SECTION 15: Regulatory Information

##### 15.1 US Federal Regulations

The product is US EPA registered pesticide.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR, 1910.1200.

FIFRA Information : 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.

Signal Word : WARNING

Hazard statement : Keep Out of Reach of Children.  
Do Not Use as a Baby Wipe.  
Causes substantial, but temporary eye injury.  
Do not get in eyes or on clothing.  
Wear specific appropriate protective eyewear (such as goggles, face shield or safety glasses).  
Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.  
Wear disposable latex gloves, gowns, masks, and eye coverings, when handling HIV-1 infected blood or body fluids.  
Avoid contamination of food.  
Remove and wash contaminated clothing before reuse.

##### 15.2 US State Regulations

Not applicable

##### 15.3 Canadian Regulations

Not applicable

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

Revision date : 06/24/2015  
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. Solid 3	Flammable solid Category 3
Flam. Liq. 2	Flammable liquids Category 2
Eye Irrit. 2A	Serious eye irritation Category 2A
Acute Tox. 4 (Oral)	Acute toxicity (Oral ) Category 4
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
STOT SE 3	Specific target organ toxicity (single exposure) category 3
H225	Flammable liquid and vapor.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.

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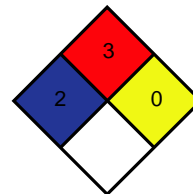
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- NFPA Health Hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
- NFPA Fire Hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.
- 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