

# SAFETY DATA SHEET

Product Name: Spectrasol® Disinfectant  
Issue Date: June 1<sup>st</sup>, 2015  
Replaces: New Issue  
SDS Number: HAC0019 - CAN

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## 1. PRODUCT IDENTIFICATION

Product Name: **Spectrasol® II Disinfectant**  
Product Number(s): 190421-CAN, 190423-CAN  
Use: Disinfectant  
Manufacturer: Stepan Company  
22 West Frontage Road  
Northfield, IL 60093  
Manufacturer Phone: 1-920-326-5141  
Distributor: HACCO, Inc.  
110 Hopkins Drive  
Randolph, WI 53956  
Distributor Phone: 1-800-477-8201  
**Emergency Phone: Medical: 1-800-498-5743 (United States and Canada)**  
**Spill: 1-800-424-9300 (United States)**

## 2. HAZARDS IDENTIFICATION

Classifications: Acute Toxicity, Oral: Category 4  
Acute Toxicity, Inhalation: Category 2  
Skin Corrosion /Irritation: Category 1  
Serious Eye Damage / Irritation: Category 1  
Specific Target Organ Toxicity: Category 2  
Environmental Hazards, Acute: Category 1  
Environmental Hazards, Chronic: Category 2

Signal Word (EPA): DANGER  
Signal Word (OSHA): DANGER

Hazard Statements: Toxic in contact with skin.  
May cause respiratory irritation.  
May cause cancer.  
Causes damage to organs through prolonged or repeated exposure

Hazard Symbols:



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Precautionary Statements: Obtain special instructions before use.  
Causes eye irritation.  
Toxic to aquatic Life. Harmful to aquatic life with long lasting effects.  
Do not handle until all safety precautions have been read and understood.  
Wash hands and face thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves, protective clothing, eye protection.  
If on skin: Wash with plenty of soap and water.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If exposed or concerned: Get medical advice/attention.  
Call a poison control center, doctor or 1-800-498-5743 (Prosar) if you feel unwell.  
Take off immediately all contaminated clothing and wash it before reuse.  
Store locked up.  
Dispose of contents and container in accordance with local regulations.

Other Hazard Statements: This product presents no significant hazards under normal conditions of use.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS Number</u>	<u>Concentration</u>
Alkyl dimethyl benzyl ammonium chloride (C12-16)	Not Applicable	68242-85-1	3 – 5%
Octyl decyl dimethyl ammonium chloride	Not Applicable	32426-11-2	3 – 5%
Didecyl dimethyl ammonium chloride	Not Applicable	7173-51-5	1 – 3%
Dioctyldimethylammonium chloride	Not Applicable	5538-94-3	1 – 3%
Other Ingredients	Not Applicable	Not Applicable	80 – 90%

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 4. FIRST AID MEASURES

Have the product container, label, or Material Safety Data Sheet with you when calling 800-498-5743, a poison control center or doctor, or going for treatment.

Ingestion: If swallowed: Call 1-800-498-5743, a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after calling 1-800-498-5743 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call 1-800-498-5743, a poison control center or doctor for treatment advice.

Skin Contact: If on skin or clothing: Take off contaminated clothing. Wash skin with soap and water.

Inhalation: Not applicable.

### Most Important Symptoms/Effects:

Exposed individuals may experience eye tearing, redness and discomfort.

### Indication of immediate medical attention and special treatment needed:

**Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.**

Further information is available from the Prosar Emergency Number (1-800-498-5743) provided in this documents.

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## 5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use dry chemical, foam or CO<sub>2</sub> extinguishing media. If water is to be used to fight fire, dike and collect run-off.

Specific Hazards:

During a fire, irritating and possible toxic gases may be generated by thermal decomposition of combustion.

Special protective equipment and precautions for firefighters:

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or product of combustion.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Follow exposure controls/personal protection outlined in Section 8.

Methods and materials for containment and cleaning up:

Control the spill at its source. Clean up spills immediately, observing precautions outlines in Section 8. Sweep up material and place in a compatible disposal container. Once all material is collected, seal container and arrange for disposition.

## 7. HANDLING AND STORAGE

Precautions for safe handling:

Store the material in a well-ventilated, secure rea out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities:

Store locked up.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING, AND USE OF THIS PRODUCT.**

**FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.**

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## Occupational Exposure Limit

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>	<u>SOURCE</u>
Alkyl dimethyl benzyl ammonium chloride (C12-16)	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Octyl decyl dimethyl ammonium chloride	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Didecyl dimethyl ammonium chloride	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Dioctyldimethylammonium chloride	Not Applicable	Not Applicable	Not Applicable	Not Applicable

- Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.
- Eye Contact: Eye protection is not required for normal handling. Where eye contact is likely, wear tight-fitting chemical goggles.
- Skin Contact: Gloves are not required for normal handling. Where heavy contact is likely, wear chemical resistant (such as nitrile or butyl) gloves.
- Inhalation: Respiratory protection is not required for normal handling. In the event of an unusual dust exposure, use engineering controls or a NIOSH-approved particulate respirator (N, P, R, or HE filter) to keep exposure below the Occupational Exposure Limit.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless solution
Odor:	Mild mint
pH:	6.1
Melting Point:	Not Available
Freezing Point:	Not Available
Boiling Point and Boiling Range:	Not Available
Flash Point (Test Method):	> 200°F
Flammable Limits (% in air):	Not Available
Flammability:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Relative Density:	8.35 lbs/gal
Solubility (ies):	Completely Soluble
Partition Coefficient:	Not Available
Viscosity:	Not Available
Other:	Not Available

## 10. STABILITY AND REACTIVITY

Reactivity:	Not reactive
Chemical Stability:	Stable under normal use and storage conditions
Possible Hazardous Reactions:	Will not occur
Conditions to Avoid:	Avoid strong oxidizing agents. Anionic surfactants
Incompatible Materials:	Anionic materials, strong oxidizers, strong acids
Hazardous Decomposition Products:	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

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## 11. TOXICOLOGICAL INFORMATION

### Health Effects Information

Likely routes of exposure: Ingestion, Inhalation, Skin Contact, Eye Contact

Symptoms of exposure: Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, burning, tearing, redness, swelling and blurred vision. Permanent eye damage including blindness could occur.

Delayed, immediate and chronic effects of exposure: Exposed individuals may experience eye tearing, redness and discomfort.

### Numerical Measures of Toxicity (Acute Toxicity/Irritation Studies – Finished Product)

Ingestion: Causes digestive tract burns. Harmful if swallowed.

Dermal: Causes severe skin burns

Inhalation: Fatal if inhaled.

Eye Contact: Causes serious eye damage.

Skin Contact: Causes severe skin burns

Skin Sensitization: Not Available

### Reproductive/Developmental Effects

Not Available

### Chronic/Subchronic Toxicity Studies

Not Available.

### Carcinogenicity

This product is not considered to be a carcinogen.

### Other Toxicity Information

Not Available

### Toxicity of Other Components

Not Applicable

### Target Organs

#### Active Ingredients

Skin, Eyes, Ingestion and Inhalation Hazards

#### Inactive Ingredients

Not Applicable

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to fish. Toxic to aquatic organisms.

Do not discharge effluent containing this product directly to water. Do not contaminate water when disposing of equipment wash water.

Tetra sodium ethylenediamine tetra acetic acid  
(CAS No. 64-02-8)

LC<sub>50</sub>: Bluefill (*Lepomis macrochirus*) 472-500 mg/L, 96 hours

## 13. DISPOSAL CONSIDERATIONS

Disposal: Do not reuse empty container except for holding additional product.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

## 14. TRANSPORT INFORMATION

### DOT Classification

Proper Shipping Name: Corrosive Liquid, N.O.S. (Quaternary Ammonium Chloride)  
Hazard Class: 8  
UN Number: 1760  
Packing Group: II  
Label: Not Applicable  
Special Instructions: Not Applicable

### IMDG Classification

Proper Shipping Name: Corrosive Liquid, N.O.S. (Quaternary Ammonium Chloride)  
Hazard Class: 8  
UN Number: 1760  
Packing Group: II  
Label: Not Applicable  
Special Instructions: Not Applicable

### IATA Classification

Proper Shipping Name: Corrosive Liquid, N.O.S. (Quaternary Ammonium Chloride)  
Hazard Class: 8  
UN Number: 1760  
Packing Group: II  
Label: Not Applicable  
Special Instructions: Not Applicable

### Canadian Classification

Proper Shipping Name: Corrosive Liquid, N.O.S. (Quaternary Ammonium Chloride)  
Hazard Class: 8  
UN Number: 1760  
Packing Group: II  
Label: Not Applicable  
Special Instructions: Not Applicable

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## 15. REGULATORY INFORMATION

### Pesticide Registration

This chemical is a pesticide product registered by the 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 and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

Caution: Harmful if swallowed or absorbed through skin. Keep away from children, domestic animals and pets. Do not get in eyes, on skin or on clothing. All handlers (including applicators) must wear shoes plus socks, and gloves. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

Registration Number : DIN 02293374

EPA SARA Title III Classification

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: Acetaldehyde < 0.01%  
(CAS No. 75-07-0)

California Proposition 65 : Acetaldehyde < 0.01%  
(CAS No. 75-07-0)

CERLA/SARA 302 Reportable Quantity (RQ) : None

RCRA Hazardous Waste Classification (40 CFR 261): Not Applicable

TSCA Status: Exempt from TSCA, subject to FIFRA

## 16. OTHER INFORMATION

<u>NFPA Hazard Ratings</u>	<u>HMIS Hazard Ratings</u>	
Health: 3	Health: 3	0 - Minimal
Flammability: 1	Flammability: 1	1 - Slight
Instability: 0	Reactivity: 0	2 - Moderate
	Other:	3 - Serious
		4 - Extreme
		* - Chronic

For Non-Emergency Questions About This Product Call:

1-800-621-8829

Neogen Corporation

Lexington, KY

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