

# Material Safety Data Sheet

Number: **DMN-184**

## Product Name: **Ster-O-Kem® #14 Sanitizer**

A liquid quaternary ammonium compound.

Revised: 1/8/04

Damon Industries, Inc.  
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24 hour Emergency Only phone: 1-800-535-5053  
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### Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	3.00%	No
Octyl Decyl Dimethyl Ammonium Chloride	68424-95-3	2.25%	No
Diocetyl Dimethyl Ammonium Chloride	5538-94-3	1.125%	No
Didecyl Dimethyl Ammonium Chloride	7173-51-5	1.125%	No

### Section 3 - Hazards Identification

**Emergency Overview:** Concentrate is corrosive to the eyes and very irritating to the skin. Use-dilutions are irritating to the eyes and skin. Product is water based and presents no hazard in a fire. A colorless liquid with slight odor.

**Health Hazards:** Corrosive, Irritant

**Physical Hazards:** None

**Primary Routes of Entry:**  Through Skin  Inhalation  Ingestion

#### Potential Health Effects:

**Eyes** – concentrate causes eye damage. Use-dilutions cause irritation, redness, tearing.

**Skin** – concentrate causes severe irritation. Use-dilutions may cause irritation on persons with sensitive skin.

**Swallowing** – concentrate causes irritation and may cause damage to the mucous membranes. Use-dilutions cause nausea and diarrhea.

**Breathing** - none when used according to label directions.

### Section 4 - First Aid Measures

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention.

**Skin Contact:** For concentrate flush the exposed area with running water for at least 15 minutes. Remove contaminated clothing and launder before using again. For use-dilutions wash exposed area with soap and water. If irritation persists, get medical attention.

**Inhalation:** None.

**Ingestion:** If the product is swallowed, do NOT induce vomiting. Dilute by giving a glass of water or milk to drink. Treat for shock by keeping person warm and quiet. Get medical attention immediately.

### Section 5 - Fire-Fighting Measures

**Flash Point:** none. (ASTM D-56 closed cup)

**Lower Explosive Limit:** Not Applicable

**Upper Explosive Limit:** Not Applicable

**Extinguishing Media:** Water Fog

**Special Fire Fighting Procedures:** None.

**Unusual Fire And Explosion Hazards:** None.

### Section 6 - Accidental Release Measures

**Steps To Be Taken If Material Is Released Or Spilled:** Clean up with a rag or mop.

### Section 7 - Handling and Storage

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

Store in a cool place. Keep from freezing.

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet.

## Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>TWA</u>	<u>STEL</u>	<u>Ceiling</u>
Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	3.00%	No limits have been established.		
Octyl Decyl Dimethyl Ammonium Chloride	68424-95-3	2.25%	No limits have been established.		
Dioctyl Dimethyl Ammonium Chloride	5538-94-3	1.125%	No limits have been established.		
Didecyl Dimethyl Ammonium Chloride	7173-51-5	1.125%	No limits have been established.		

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

**Ventilation:** Normal room ventilation.

**Respiratory Protection:** None.

**Gloves:** Wear rubber or latex gloves when handling concentrate. Persons with sensitive skin or who use the product for prolonged periods may wish to use rubber or latex gloves when using use-dilutions.

**Eye Protection:** If eye contact with concentrate is possible, wear safety glasses with side shields. When spraying use-dilutions wear safety glasses with side shields.

**Other Protective Equipment:** An eye-wash station should be within 10 seconds travel time of concentrate use/mixing areas.

## Section 9 - Physical and Chemical Properties

**Boiling Point:** 212° F.

**Specific Gravity:** 0.99

**Percent Volatiles:** 87%

**Solubility In Water:** Complete

**Appearance and Odor:** Colorless liquid with slight odor.

**Vapor Pressure:** Not Available

**Vapor Density:** Not Available

**Evaporation Rate:** Same as water.

**pH:** concentrate 7.0 ± 0.5

## Section 10 - Stability and Reactivity

**Incompatibility:** None

**Hazardous Decomposition Products:** None

## Section 11 - Toxicological Information

**Target Organs:** None.

## Section 12 - Ecological Information

If this product cannot be disposed of by use according to label instructions, do not dispose of in the environment.

## Section 13 - Disposal Considerations

**Waste Disposal Method:** Rinse to sanitary sewer with a large amount of water. Do not allow into natural water systems such as lakes, streams or rivers.

## Section 14 - Transport Information

**D.O.T. Hazard Class:** Not considered hazardous by D.O.T., I.M.C.O., I.A.T.A. or U.N.

## Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

## Section 16 - Other Information

<b>NFPA / HMIS Estimates:</b>	<b>Health: 2</b>	<b>Flammability: 0</b>	<b>Reactivity: 0</b>
0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe			

Replaces sheet dated 11/19/99. New CAS numbers.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.