

Material Safety Data Sheet

Number: **DMN0374**

Product Name: **Ster-O-Kem[®] #16**

A liquid quaternary ammonium compound sanitizer.

Revised: 10/25/01

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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>
n-Alkyl(68%C ₁₂ , 32%C ₁₄) Dimethyl Benzyl Ammonium Chloride	68956-79-6	5.0%	No
n-Alkyl(60%C ₁₄ , 30%C ₁₆ , 5%C ₁₂ , 5%C ₁₈) Dimethyl Benzyl Ammonium Chloride	68391-01-5	5.0%	No

Section 3 - Hazards Identification

Emergency Overview: Concentrate can cause eye damage and skin irritation. Dilutions are irritating to the eyes. A colorless, clear liquid with slight odor. Product is water based and presents no hazard in a fire.

Health Hazards: Eye Corrosive, Skin Irritant

Physical Hazards: None

Primary Routes of Entry: Through Skin Inhalation Ingestion

Potential Health Effects:

Eyes - Concentrate may cause eye damage. Dilutions may cause irritation, redness, tearing.

Skin - Concentrate may cause irritation. Dilutions may cause irritation on persons with sensitive skin.

Swallowing - may cause nausea and diarrhea.

Breathing - Excessive inhalation of concentrate vapors may cause irritation.

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: Wash exposed area with soap and water. If irritation persists, get medical attention. Remove clothing contaminated by concentrate and launder before re-use.

Inhalation: If affected, move exposed person to fresh air. If irritation persists get medical attention.

Ingestion: If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, give a glass of water or milk to drink. 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: Any

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 dry place no lower in temperature than 50°F or higher than 120°F.

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

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>
n-Alkyl(68%C ₁₂ , 32%C ₁₄) Dimethyl Benzyl Ammonium Chloride	68956-79-6	5.0%	N/E	N/E	N/E
n-Alkyl(60%C ₁₄ , 30%C ₁₆ , 5%C ₁₂ , 5%C ₁₈) Dimethyl Benzyl Ammonium Chloride	68391-01-5	5.0%	N/E	N/E	N/E

N/E=Limit not established TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

Ventilation: None.

Respiratory Protection: None when used as directed.

Gloves: Use 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 diluted product.

Eye Protection: If eye contact with concentrate is possible, wear safety glasses with side shields

Other Protective Equipment: An eye wash station should be located within 10 seconds travel time from concentrate use area.

Section 9 - Physical and Chemical Properties

Boiling Point: 212° F.

Specific Gravity: 0.98

Percent Volatiles: 90%

Solubility In Water: Complete

Appearance and Odor: Colorless, clear liquid with slight odor.

Vapor Pressure: Not Available

Vapor Density: Not Available

Evaporation Rate: Same as water.

pH: concentrate 7.0 ± 1.0

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: Wash to sanitary sewer with a large amount of water. Do not discharge 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

NFPA / HMIS Ratings:	Health:	1	0 = Insignificant	1 = Slight	2 = Moderate
	Flammability:	0	3 = Serious	4 = Severe	
	Reactivity:	0			

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.