

## MATERIAL SAFETY DATA SHEET

### \*\*\* IDENTIFICATION \*\*\*

PRODUCT NAME(S): Sterisol  
0.94% solution of N-alkyl(C<sub>12-16</sub>)-N,N-dimethyl-N-benzyl-ammonium chloride in water with certified red color added

DATE OF MSDS: December 19, 2008

### \*\*\* SUPPLIER INFORMATION \*\*\*

SUPPLIER: Grover Musical Products, Inc  
ADDRESS: 3800 Kelley Avenue  
Cleveland Ohio 44114 USA  
Telephone: 216-391-1188  
Fax: 216-391-8999

### \*\*\* MATERIAL SAFETY DATA \*\*\*

#### 1. PRODUCT IDENTIFICATION

PRODUCT NAME: Sterisol

SYNONYMS: 0.94% solution of N-alkyl(C<sub>12-16</sub>)-N,N-dimethyl-N-benzyl-ammonium chloride (Uniquat QAC-80) in water with certified red color added

APPEARANCE AND ODOR: Red odorless liquid

USES: Cleans, deodorizes, freshens. Products based on Uniquat are considered bactericidal according to the AOAC Use Dilution Test, acting on *acinetobacter anitratus*, *A. baumannii*, *A. calcoaceticus*, *campylobacter jejuni*, *chlamydia psittaci*, *enterobacter cloacae*, *enterococcus faecalis*, *escherichia coli*, *klebsiella pneumoniae*, *listeria monocytogenes*, *proteus vulgaris*, *pseudomonas aeruginosa*, *salmonella choleraesuis*, *S. schottmuelleri*, *S. typhi*, *S. typhimurium*, *serratia marcescens*, *shigella flexneri*, *S. sonnei*, *staphylococcus aureus*, *S. epidermidis*, *streptococcus pyogenes*; as a viricidal acting on canine distemper virus, influenza A, herpes type 1 and 2, infectious bovine rhinotracheitis, pseudorabies virus, hepatitis B and C; and as a fungicidal acting on *aspergillus niger* (black mold).

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	LD50	Concn
Water	7732-18-5	N/A	99.06 %
N-alkyl(C <sub>12-16</sub> )-N,N-dimethyl-N-benzyl-ammonium chloride	68424-85-1	unknown	0.94%

## 3. HAZARDS IDENTIFICATION

Not hazardous.

## 4. FIRST AID MEASURES

Eye contact: Flush eyes thoroughly with water. Obtain medical attention.

Skin contact: Wash skin thoroughly with water. Obtain medical attention.

Ingestion: Dilute with water or milk. Do not induce vomiting. Obtain medical attention.

## 5. FIRE-FIGHTING MEASURES

Non-combustible.

## 6. ACCIDENTAL RELEASE MEASURES

Rinse affected area with water.

## 7. HANDLING AND STORAGE

No special storage requirements necessary. Store in original container in cool, dry place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**HAND PROTECTION:** Wear protective rubber or plastic gloves.

**EYE PROTECTION:** Wear safety glasses. If risk of splashing, wear safety goggles or face shield.

**HYGIENE MEASURES:** Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Liquid  
**COLOR:** Red  
**ODOR:** Odorless  
**SOLUBILITY:** Miscible with water.  
**BOILING POINT (°C):** About 100  
**RELATIVE DENSITY:** 1.0  
**pH-VALUE, CONC. SOLUTION:** 9 – 10

## 10. STABILITY AND REACTIVITY

Stable under normal temperature conditions.

## 11. TOXICOLOGICAL INFORMATION

**EYE CONTACT:** Irritating to eyes.  
**HEALTH WARNINGS:** Although not classified as hazardous, the product should be treated with the care and attention appropriate to chemicals.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS:** Dispose of waste and residues in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION

No special transport requirements.

## 15. REGULATORY INFORMATION

Not controlled or classified.