



## SAFETY DATA SHEET

### 1. Identification of the Substance and Company

#### Coverage Spray HB Plus

Product No. 1624

MSDS No. 1624

Prepared by: M. Ebers

Date Created: June 4, 2004

Date Revised: December 10, 2004

#### NFPA 704 HAZARD RATING:

HEALTH: 1  
FIRE: 1  
REACTIVITY: 0

STERIS Corporation, P. O. Box 147, St. Louis, MO 63166, US  
Emergency Telephone No. 1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)  
Telephone Number for Information: 1-800-444-9009 (Customer Service-Scientific Products)

### 2. Composition/Information on Ingredients

Hazardous Component(s)	EEC No.	CAS No.	% By Wt.	Symbol	R Phrases
Di-n-alkyl dimethyl ammonium chloride	NA	68424-95-3	0.05	NA	NA
N-alkyl dimethyl benzyl ammonium chloride	NA	68424-85-1	0.03	NA	NA
Ethanol	NA	64-17-5	0.017	NA	NA

### 3. Hazards Identification

May cause mild eye and/or skin irritation.

### 4. First Aid Measures

**Eye Contact:** Flush eyes immediately with water for at least 15 minutes. Get medical attention if irritation develops.

**Skin Contact:** Flush skin immediately with water for at least 15 minutes. Get medical attention if irritation develops.

**Inhalation:** Remove patient to fresh air. If not breathing, give artificial respiration. Get medical attention.

**Ingestion:** Do not induce vomiting. Get medical attention. Do not give anything by mouth to an unconscious person. If conscious, drink a large quantity of milk or water.

### 5. Fire-Fighting Measures

**Flash Point:** > 200°F **Method:** TCC

**Flammability Classification:** non-flammable

**Special Hazards:** Products of combustion are toxic.

**Extinguishing Media:** Foam, dry chemical, water or CO<sub>2</sub>.

**Special Fire Fighting Procedures:** Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.

### 6. Accidental Release Measures

Caution! Floors may become slippery. Wear appropriate protective equipment. Dike and contain spill with inert material (and, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

### 7. Handling and Storage

#### 7.1 Handling

Avoid eye contact.

#### 7.2 Storage

Store at temperatures below 140° F. Keep containers closed until used. Do not contaminate drinking water, food or feed by storage or disposal.

### 8. Exposure Control/Personal Protection

#### 8.1 Occupational Exposure Limits

Ethanol: ACGIH TLV and OSHA PEL = 1000 ppm

#### 8.2 Personal Protection

**Respirator Protection:** If exposure exceeds occupational exposure limits (see Section 8.1), use a NIOSH-

approved respirator.

**Eye Protection:** Safety glasses recommended.

**Protective Gloves:** Rubber or neoprene.

**Other Protective Clothing and Equipment:** Clothing needed to prevent skin contact.

**Ventilation:** Adequate ventilation to maintain air concentrations below established exposure limits.

### 9. Physical and Chemical Properties

**Solubility in Water:** Complete **Specific Gravity:** Approximately 1.0

**Appearance/Odor:** Clear, green liquid/citrus odor. **pH:** Approximately 11.0

### 10. Stability and Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Incompatible Materials:** None known.

**Conditions to Avoid:** None known.

**Hazardous Decomposition or Byproducts:** Thermal decomposition may produce toxic vapors/fumes of amines and other organic materials, and oxides of carbon and nitrogen.

### 11. Toxicological Information

#### 11.1 Acute (Primary Routes of Exposure)

**Eyes:** Non-irritant in rabbits.

**Skin:** Non-irritant in rabbits.

**Inhalation:** Vapors of the concentrate of this product may cause irritation of mucous membranes, headaches, irritation of the eyes, throat and nose and drowsiness.

**Ingestion:** May cause immediate burning pain of the mouth, throat and abdomen; swelling of the larynx; muscle paralysis affecting the ability to breathe; circulatory shock; and/or convulsions.

#### 11.2 Long Term Exposure

None known

**Carcinogenicity:** IARC, NTP and OSHA do not list this product or its ingredients as carcinogens.

### 12. Ecological Information

None available

### 13. Disposal Considerations

Dispose of in accordance with state, local and federal regulations.

### 14. Transport Information

**Ground:** Non-hazardous

**Sea:** IMDG Class: Non-hazardous

**Air:** ICAO/IATA Class: Non-hazardous

### 15. Regulatory Information

EPA Registration Number 6836-152-1043

**U.S. State Regulations:** May contain trace levels of acetaldehyde, benzene, benzyl chloride, 1,4-dioxane, ethylene oxide, n-nitrosodimethylamine, propylene oxide and toluene.

### 16. Other Information

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed.

NA - Not Applicable

ND - No Data