

# MATERIAL SAFETY DATA SHEET

## BENZALKONIUM CHLORIDE SOLUTION 50%

**Delasco Dermatologic Lab & Supply, Inc.**  
608 13th Ave., Council Bluffs, IA 51501 1-712-323-3269  
[www.delasco.com](http://www.delasco.com) [questions@delasco.com](mailto:questions@delasco.com)  
Date prepared: January 2008

The statements herein are offered for informational purposes only and are intended to be followed only by persons having related technical skills and at their own discretion and risk. Since conditions and manner of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

**Product/Chemical Name:** Benzalkonium Chloride Solution 50% **CAS:** 8001-54-5

**Formula:** 50% water; a mixture of alkyldimethylbenzylammonium chlorides (50%)

**Physical Description:** Aromatic odor, bitter taste, clear, colorless to light yellow syrupy liquid. Soluble in water, alcohol and acetone. Boiling Point: 100° C Specific gravity: n/a

**Toxicology:** Oral (LD50) Acute 240 mg/kg (Rat); Dermal (LD50) Acute 1560 mg/kg (Rat)

**Special Hazards:** Can be fatal if inhaled or ingested. Corrosive to skin and eyes. Contact may irritate skin and eyes.

**Unusual Fire/Explosion Hazards:** Non flammable

**Reactivity:** Product is stable.

**Hazardous Decomposition Products:** none known

### Spill or Leak Procedures

**Action:** Dilute with water and mop up; or absorb with an inert DRY material and place in an appropriate waste disposal container.

**Disposal Method:** To be performed in compliance with all current local, state & Federal Regulations.

**Threshold Limit Value:** Not available

**Overexposure Effects:** Toxic to mucous membranes. Toxicity to reproductive system: unknown.

### First Aid Procedures

**Skin:** Remove contaminated clothing and shoes immediately. Wash area with large amounts of water for at approx. 15-20 minutes until no evidence of chemical remains.

**Eye:** Check for and remove any contact lenses. Wash eyes immediately with large amounts of water or normal saline, keeping eyes open, until no evidence of chemical remains (approx. 15-20 minutes). Do not use an eye ointment. Get medical attention immediately.

**Ingestion:** Check for and remove any dentures. If victim is conscious, give several glasses of water or milk and induce vomiting by sticking finger in throat. Get medical attention immediately.

**Inhalation:** Move victim to fresh air if the atmosphere is contaminated. Administer CPR if victim stops breathing. Get medical attention immediately.

### Special Protection Information

Gloves, (impervious), lab coat MSHA/NIOSH approved respirator when ventilation is inadequate, splash goggles

### Special Handling Precautions

Dot Hazard Class: 6.1 Keep container closed when not in use.