

# MATERIAL SAFETY DATA SHEET

## BENZALKONIUM CHLORIDE SOLUTION 50%

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**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)

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**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 and 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.