

## BENZALKONIUM CHLORIDE 80%

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** BENZALKONIUM CHLORIDE 80%

**Product Code:** 023

**CAS#:** 63449-41-2

**Synonym:** NA

**Chemical Formula:** Not available

**Molecular Weight:** Not available

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Composition:**

BENZALKONIUM CHLORIDE 80%

**Toxicological Data on Ingredients:**

Acute toxicity, Oral (Category 4), H302

H312 Harmful in contact with skin

Skin corrosion (Sub-category 1B), H314

Serious eye damage (Category 1), H318

Short-term (acute) aquatic hazard (Category 1), H400

### SECTION 3: HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

**Classification according to Regulation (EC) No 1272/2008**

Acute toxicity, Oral (Category 4), H302

Skin corrosion (Sub-category 1B), H314

Serious eye damage (Category 1), H318

Short-term (acute) aquatic hazard (Category 1), H400

**Other hazards** - This substance/mixture contains no components considered to be persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

### SECTION 4: FIRST AID MEASURES

**If inhaled:** After inhalation: fresh air. Call in physician.

**In case of skin contact:** In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician immediately.

**In case of eye contact:** After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses

**If swallowed:** After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralize.

### SECTION 5: FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Water foam carbon dioxide (CO<sub>2</sub>) dry powder

**Special hazards arising from the substance or mixture:** Nature of decomposition products not known Mixture with combustible ingredients Development of hazardous combustion gases or vapours possible in the event of fire

**Advice for firefighters:** Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing



## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions and emergency procedures:** Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Environmental precautions: Do not let product enter drains.

**Environmental precautions:** Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

## SECTION 7: HANDLING AND STORAGE

**Precautions:** Keep away from heat. Keep away from sources of ignition.

**Storage:** Store in tightly closed

**Storage class:** Storage class (TRGS 510): 8A: Combustible, corrosive hazardous materials

**Specific end use(s):** No other specific uses are stipulated

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eye/face protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU) tightly fitting safety goggles

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:** Required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

**Body Protection:** Use protective clothing

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance Form	: Liquid
Odour	: Not available
Taste	: Not available
Molecular Weight	: Not available
Colour	: Not available
pH	: Not available
Boiling Point	: Not available
Melting Point	: Not available
Critical Temperature	: Not available
Specific Density	: Not Available
Vapor Pressure	: Not Available
Vapor Density	: Not available
Volatility	: Not Available
Odor Threshold	: Not Available
Water/Oil Dist. Coeff.	: Not Available
Ionicity (in Water)	: Not Available
Dispersion Properties	: Not Available
Solubility	: at 20 °C soluble

## SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** This product is chemically stable under standard ambient conditions (room temperature)



**Chemical stability:** The product is chemically stable under room temperature

**Instability Temperature:** Not available

**Conditions of Instability:** Excess heat

**Incompatibility with various substances:** Strong oxidizing agents

**Special Remarks on Reactivity:** Not available

### SECTION 11: TOXICOLOGICAL INFORMATION

**Acute toxicity:** Acute toxicity estimate Oral - 1.001 mg/kg

**Skin corrosion/irritation:** Causes skin burns.

**Serious eye damage/eye irritation:** Mixture causes serious eye damage. Risk of blindness

**Respiratory or skin sensitization:** Not available

**Carcinogenicity:** Not available

**Reproductive toxicity:** Not available

**Specific target organ toxicity - single exposure:** Not available

**Specific target organ toxicity - repeated exposure:** Not available

**Aspiration hazard:** Not available

### SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** Not available

**Persistence and degradability:** Not available

**Bio accumulative potential:** Not available

**Mobility in soil:** Not available

**Results of PBT and vPvB assessment:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### SECTION 14: TRANSPORT INFORMATION

**UN number:**

**ADR/RID:** 3265

**IMDG:** 3265

**IATA:** 3265

**UN proper shipping name**

**ADR/RID:** Corrosive liquid, acidic, organic, n.o.s. (alkyl dimethylbenzyl ammonium chloride)

**IMDG:** Corrosive liquid, acidic, organic, n.o.s. (alkyl dimethylbenzyl ammonium chloride)

**IATA:** Corrosive liquid, acidic, organic, n.o.s. (alkyl dimethylbenzyl ammonium chloride)

**Transport hazard class (es):**

**ADR/RID:** 8

**IMDG:** 8

**IATA:** 8

**Packaging group:**

**ADR/RID:** II

**IMDG:** II

**IATA:** II

**Environmental hazards:**

**ADR/RID:** Yes

**IMDG Marine pollutant:** Yes

**IATA:** No

### SECTION 15: OTHER REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006



**Chemical Safety Assessment:** Not available

#### SECTION 16: OTHER INFORMATION

**References:**

**Full text of H-Statements referred to under sections 2 and 3.**

H302 Harmful if swallowed.

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage

H400 Very toxic to aquatic life

**Other Special Considerations:** Not available

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