

# Material Safety Data Sheet

## BENZALKONIUM CHLORIDE

### 1 CHEMICAL PRODUCT & COMPANY INFORMATION

**General Name:** BENZALKONIUM CHLORIDE

**Chemical Name:** Dodecyl Dimethyl Benzyl ammonium Chloride

**Catalog Code:** None

**Manufacture:** Shandong Taihe Water Treatment Co., Ltd

**ADD:** Xiwangzhuang town, Shizhong district, Zaozhuang city, Shandong Province, China

**TEL:** 0086-632-3460157

### 2 INGREDIENTS

Main Ingredients: 1227 ≥80%

### 3 HAZARDOUS INGREDIENT

None

### 4 EMERGENCY & FIRST AID PROCEDURES

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

**Inhalation:** Get medical attention immediately. If not breathing, give artificial respiration.

**Swallowed:** Don't induce vomiting and seek medical help immediately.

### 5 FIRE FIGHTING MEASURES

**Fire Fighting Media and Instructions:** Use water spray, fog or foam. Do not use water jet.

**Flash Point :** 44°C

**Flammable Limits:** LOWER: 3.2% UPPER: 19%

**Auto-ignition Temperature:** >390° C (977° F)

**Notice:** Water or water spray to cool the vessel. In the event of a fire, wear full protective clothing and self-contained breathing apparatus with full facepiece operated in the pressure demand.

### 6 SPILLS OR LEAK PROCEDURES

**Personal protection:** See section 8

**Environmental Protection :** Do not flush to sewer!

**Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spill:** Use large container to collect or disposal.

### 7 PRECAUTIONS IN HANDLING & STORING

**Handling:**

Avoid contact with eye, skin and clothes.

Do not breathe gas/fumes/ vapor/spray.

Keep away from heat.

Keep container dry.

Keep away from sources of ignition.

The package never reused for other product unrelated with industry.

**Storage:**

Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

## 8 PERSONAL PROTECTION

**Personal Protection :**

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

## 9 PHYSICAL AND CHEMICAL DATA

**Physical state:** liquid

**Appearance:** Colorless or yellow transparent liquid

**Odor:** little smell of alcohol

**Boiling point:** N/T

**Melting point:** N/T

**Flash point:** 44°C

**Flammability:** N/T

**Explosivity:** N/T

**Oxidability:** N/T

**Vapor pressure :** 19°C < 40mmHg

**Specific Gravity (20/20°C):** 0.95

**Water-solubility:** Miscible with water with any proportion

**Oil-solubility:** N/T

## 10 STABILITY AND REACTIVITY DATA

**Stability:** Stability in the ordinary course

**Materials to Avoid:** Strong acid and strong oxidizers

**Hazardous Polymerization:** NO.

**Decomposition Products:** CO, NO<sub>x</sub>

## 11 TOXICOLOGY INFORMATION

None

## **12 ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not available.

**Products of Biodegradation:**Yes

## **13 DISPOSAL CONSIDERATIONS**

**Disposal method :** Consult the local environmental protection department

## **14 TRANSPORT INFORMATION**

**Packing:**plastic drums

## **15. REGULATORY INFORMATION**

N/T

## **16. OTHER INFORMATION**

**References:** Not available.

**Other Special Considerations:** Not available.

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