

Material Safety Data Sheet

Benzalkonium Chloride

1 CHEMICAL PRODUCT & COMPANY INFORMATION

General Name: Benzalkonium Chloride, BKC

Chemical Name: Dodecyl Dimethyl Benzyl ammonium Chloride

CAS: 8001-54-5

Manufacture: Shandong Taihe Water Treatment Co., Ltd

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

TEL: 0086-632-3460157, 5112055

2 INGREDIENTS

Main Ingredients: Benzalkonium Chloride $\geq 50\%$, 80%

3 HAZARDOUS INGREDIENTS

Hazardous, corrosive .

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 : 144°C

Flammable Limits: LOWER: 3.2% UPPER: 19%

Auto-ignition Temperature: $>390^{\circ}\text{C}$ (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 face piece operated in the pressure demand.

Hazardous Decomposition Products: CO , NO_x .and HCl.

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 callback 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:144°C

Flammability: Yes

Explosivity: Yes

Oxidability: N/T

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_x .

11 TOXICOLOGY INFORMATION

None

12 ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Products of Biodegradation: Not know

13 DISPOSAL CONSIDERATIONS

Disposal method: Consult the local environmental protection department

14 TRANSPORT INFORMATION

DOT Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (Dodecyl Dimethyl Benzyl ammonium Chloride

DOT Class : 8

DOT ID Number : UN 1760

DOT Pack Group : III

DOT Label : Corrosive

IMO Proper Shipping Name : Corrosive liquid, acidic, organic, n.o.s. (Dodecyl Dimethyl Benzyl ammonium Chloride

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IMO UN Number : 1760

IMO UN Class : 8

IMO Subsidiary Risk Label : -

IATA UN ID Number : 1760

IATA Proper Shipping Name : Corrosive liquid, acidic, organic, n.o.s. (Dodecyl Dimethyl Benzyl ammonium Chloride

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IATA Label : Corrosive

AFI Proper Shipping Name : Corrosive liquid, acidic, organic, n.o.s. (Dodecyl Dimethyl Benzyl ammonium Chloride

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AFI Class : 8

AFI ID Number : UN 1760

AFI Pack Group : III

AFI Label : Corrosive

n.o.s. Shipping Name : Dodecyl Dimethyl Benzyl ammonium Chloride

15. REGULATORY INFORMATION

N/T

16. OTHER INFORMATION

References: Not available.

Other Special Considerations: Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.