

SECTION 1: Identification of the Substance / Mixture and of the Company / Undertaking**1.1. Product Identifier**

Trade name : Benzalkonium Chloride, BKC
Chemical name : Dodecyl Dimethyl Benzyl Ammonium Chloride
CAS-No. : 8001-54-5

1.2. Details of the Distributor of the Safety Data Sheet

Company Name : GreenSol Limited
Address : #39-41 Marryat Street, San Fernando, Trinidad, West Indies
Telephone : +1(868) 225-4858
Mobile : +1(868) 720-2517
Email : sdeokiesingh@greensolltd.com

SECTION 2: Hazard Identification

Main Ingredients: benzalkonium chloride \geq 80%.

Hazard Pictogram :



GHS07



GHS05



GHS09

Signal Word : **DANGER**

SECTION 3: Composition / Information on Ingredients

Hazardous, corrosive, toxic to aquatic organisms.

SECTION 4: First Aid Measures

Inhalation : Get medical attention immediately. If not breathing, give artificial respiration.
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.
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.
Swallowed : Don't induce vomiting and seek medical help immediately.

SECTION 5: Firefighting measures

Firefighting 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°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.
Hazardous Decomposition Products	: CO , NOX .and HCl.

SECTION 6: Accidental Release Measures

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.

SECTION 7: Handling & Storage

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).

SECTION 8: Exposure Controls / 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.

SECTION 9: Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Colorless or yellow transparent liquid
Odour	: Little smell of alcohol

Melting Point	: N/T
Oil-solubility	: N/T
Boiling Point	: N/T
Flash Point	: 111 °C
Specific gravity	: (20/20°C): 0.95
Flammability (solid, gas)	: Yes
Vapour Pressure	: 19°C < 40mmHg
Density	: 1.113 g/cm ³
Solubility	: Miscible with water with any proportion

SECTION 10: Stability and Reactivity

Stability	: Stability in the ordinary course
Materials to Avoid	: Strong acid and strong oxidizers
Hazardous Polymerization	: NO.
Decomposition Products	: CO,NO _x

SECTION 11: Toxicological Information

None.

SECTION 12: Ecological Information

Ecotoxicity	: Not available
Products of Biodegradation:	: Yes

SECTION 13: Disposal Considerations

Disposal Methods	: Consult the local environment protection department
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SECTION 14: Transportation Information

DOT Proper Shipping Name	: Corrosive liquid, acidic, organic, n.o.s. (Dodecyl Dimethyl Benzyl Ammonium Chloride)
DOT Class	: 8
DOT ID Number	: UN 3265
DOT Pack Group	: II
DOT Label	: Corrosive
IMO Proper Shipping Name	: Corrosive liquid, acidic, organic, n.o.s. (Dodecyl Dimethyl Benzyl Ammonium Chloride)
IMO UN Number	: 3265
IMO UN Class	: 8

IATA UN ID Number : 3265
IATA Proper Shipping Name : Corrosive liquid, acidic, organic, n.o.s. (Dodecyl Dimethyl Benzyl Ammonium Chloride)
IATA Label : Corrosive
AFI Proper Shipping Name : Corrosive liquid, acidic, organic, n.o.s. (Dodecyl Dimethyl Benzyl Ammonium Chloride)
AFI Class : 8
AFI ID Number : UN 3265
AFI Pack Group : II
AFI Label : Corrosive
n.o.s. Shipping Name : Dodecyl Dimethyl Benzyl Ammonium Chloride

SECTION 15: Regulatory Information

N/T

SECTION 16: Other Information

Notice to Reader:

This SDS provides the information contained in this document in good faith but makes no representation as to its accuracy. This document is intended solely to guide the safe handling of the material by a properly trained individual. The final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with caution. Although some hazards are described, it cannot be guaranteed that these are the only hazards that exist.

Version	Date of Change	Change Description	Responsible Person
2	2-17-2023	Updated to supplier SDS Rev. 2	Laboratory Coordinator