

# MATERIAL SAFETY DATA SHEET

## QUATERNARY DISINFECTANT

HAZARD RATING	HAZARD IDENTIFICATION RATING SCALE		
HEALTH	1	0	=LEAST
FLAMMABILITY	0	1	=SLIGHT
REACTIVITY	0	2	=MODERATE
		3	=HIGH
		4	=EXTREME

### HAZARDOUS INGREDIENTS/INFORMATION

HAZARDOUS COMPONENTS	CAS#	OSHA / PEL	ACGIH / TLV	OTHER / STEL % By Weight	SK
ALKYL DIMETHYL BENZYL-AMMONIUM CHLORIDE	68391-01-5	NOT ESTAB.	NOT ESTAB.	1.6%	
ALKYLDIMETHYL EHTYL-BENZYL AMMONIUM CHLORIDE	68956-79-6	NOT ESTAB.	NOT ESTAB.	1.6%	
INNERT				96.8%	

NOTE: AN "\*" UNDER 'SK' (SKIN) INDICATES THAT OSHA REQUIRES SKIN PROTECTION TO PREVENT OR REDUCE EXPOSURE TO THIS INGREDIENT.

### PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: >212 F  
 Vapour Pressure (mm Hg): ND  
 Vapour Density (Air=1): >1  
 Solubility in Water: COMPLETE

Appearance and odour: Clear liquid with pleasant odour.  
 Specific Gravity (H2O=1): 1.02  
 Melting Point: NA  
 Evaporation Rate:(Butyl Acetate=1) <1

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### **FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used):ND                      Flammable Limits: LEL:NOT KNOWN      UEL: NOT KNOWN  
 Extinguishing Media: Carbon dioxide, dry chemical, or alcohol foam.  
 Special Fire Fighting Procedures: NONE.  
 Explosion Hazards: NONE

### **REACTIVITY DATA**

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Stability: Stable  
 Incompatibility (Materials to Avoid): Oxidizers or strong acids.  
 Hazardous Decomposition or By-products: Heat, carbon dioxide, and carbon monoxide.  
 Hazardous Polymerization: Will not occur.

### **HEALTH HAZARD DATA**

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Health Hazards (Acute and Chronic): NONE KNOWN  
 Routes of Entry, Signs of Exposure, and Symptoms of Exposure:  
     SKIN and EYES: Severe irritant to eyes.  
     INHALATION: Irritation and difficulty in breathing  
     INGESTION: Gastric pain and vomiting.  
 Medical Conditions Generally Aggravated by Exposure: Unknown  
 Carcinogenic: NONE

Emergency and First Aid Procedures:  
     SKIN & EYE CONTACT: Rinse skin with clear water. For eye contact immediately flush with clear running water for 15 minutes. Get medical attention.  
     INHALATION: Remove to fresh air. If breathing does not return to normal, get medical attention.  
     INGESTION: Immediately drink large quantities of water. Get medical attention.

### **PRECAUTIONS FOR SAFE HANDLING AND USE**

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SPILLS: Dilute with water and flush to sanitary sewer.  
 Handling and Storing: Keep container closed when not in use. Do not freeze. Follow label instructions.  
 Other Precautions: Keep this and all chemicals out of the reach of children.

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### CONTROL MEASURES

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Respiratory Protection (Specify Type): For exposure above established limits (see section II) use NIOSH/MSMA approved dust/mist mask.

Ventilation: Mechanical: Recommended.

Protective Gloves: Rubber or neoprene.

Eye Protection: Safety glasses.

Other Protective Clothing or Equipment: Drenching safety shower and eye wash station.

### ADDITIONAL INFORMATION

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#### DISCLAIMER

AllChem Limited does not accept responsibility for misuse of this product or injuries/damages that may occur due to failure in adhering to the safety precautions outlined on this document.