



MATERIAL SAFETY DATA SHEET

Region
Chemical Services - USA

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: **ALPHA 1427**
Item Number: 302AL1427B
Product Use: Biocide
Supplier: BJ Services Company
11211 FM 2920
Tomball, Texas 77375
(281)351-8131

**IN CASE OF EMERGENCY CALL: (800) 424-9300 for
CHEMTREC
(703) 527-3887 for
International**

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: i

2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	CAS#	Percent	Hazard
Glutaraldehyde	000111-30-8	10-30	
Quaternary ammonium chloride	007173-51-5	5-10	
Alkyl dimethyl benzyl ammonium chloride (C12-16)	068424-85-1	3-7	
Ethanol	000064-17-5	1-5	
Water	007732-18-5	30-60	

3 HAZARDS IDENTIFICATION

PRIMARY ROUTES OF EXPOSURE: Eye contact. Skin contact.

ACUTE OVEREXPOSURE EFFECTS:

INHALATION: Inhalation of solution vapor or mist may cause severe irritation or burns to the respiratory tract.

INGESTION: Harmful if swallowed. May cause severe damage of gastrointestinal tract. May cause nausea, vomiting and diarrhea. May be fatal if swallowed.

EYE CONTACT: Contact with solution may cause severe burns and permanent eye damage. Vapors are irritating to eyes. May cause irritation and redness.

SKIN CONTACT: May cause mild skin irritation. May cause skin irritation or burns with prolonged contact. May stain the skin. May cause a rash and itching of the skin.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL	LC50 (inhalation)	LD50 (oral)
Glutaraldehyde	NA	CEIL - 0.02 ppm	480 mg/m ³ /4 rat	134 mg/kg rat
Quaternary ammonium chloride	NA	NA	NA	84 mg/kg rat
Alkyl dimethyl benzyl ammonium chloride (C12-16)	NA	NA	NA	426 mg/kg rat
Ethanol	1000 ppm	1000 ppm TWA	20000 ppm/10 rat	7060 mg/kg rat
Water	NA	NA	NA	NA

4 FIRST AID MEASURES

INHALATION:

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

INGESTION:

Obtain medical assistance immediately. Do not induce vomiting, unless directed to do so by a physician. Do not give anything to drink. Never give anything by mouth to an unconscious person. Get medical attention.

EYES:

Flush eyes with gently flowing luke warm water. Obtain immediate medical attention.

SKIN:

In case of contact, immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Seek medical attention if irritation persists.

5 FIRE FIGHTING MEASURES

FLASHPOINT (METHOD): 210°F
LOWER EXPLOSION LIMIT (% v/v): Not available
UPPER EXPLOSION LIMIT (% v/v): Not available

SPECIAL HAZARDS:

Toxic vapors may be emitted in a fire situation.

EXTINGUISHING MEDIA:

Water fog. Carbon dioxide, dry chemical, foam.

SPECIAL FIREFIGHTING PROCEDURES:

Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

HAZARDOUS COMBUSTION PRODUCTS:

Hydrocarbons. Oxides of carbon.

6 ACCIDENTAL RELEASE MEASURES

Evacuate area - warn other workers of spill. Remove sources of ignition. Use only explosion proof transfer equipment. Prevent from entering sewers or waterways. Cover spill with absorbent material. Scoop absorbed material into a suitable container for disposal.

7 HANDLING AND STORAGE

HANDLING:

Avoid contact with skin and eyes. Wear specified protective equipment. Wash hands before eating and smoking.

STORAGE REQUIREMENTS:

Keep container closed when not in use. Keep away from heat. Store away from sunlight.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

SPECIFIC ENGINEERING CONTROLS:

Adequate ventilation should be provided to keep concentrations below acceptable exposure limits. The use of

mechanical ventilation is recommended whenever this product is used in a confined space. Where engineering controls are not feasible, assure use is in an area where there is natural air movement.

PERSONAL PROTECTIVE EQUIPMENT:

Chemical resistant goggles or face shield. Butyl rubber gloves. Neoprene gloves. Coveralls. Rubber apron. Rubber boots.

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Colorless To Yellow
ODOR:	Fruity
ODOR THRESHOLD:	Not available
SPECIFIC GRAVITY:	1.05 +/- 0.04
VAPOR PRESSURE:	0.2 mmHg @20C
VAPOR DENSITY (air = 1):	Not available
EVAPORATION RATE:	Not available
BOILING POINT:	210 F (99.3 C)
FREEZING POINT:	Not available
pH:	4.5 +/- 1.0
VISCOSITY (F):	6.233 mm ² /s (cSt)
SOLUBILITY IN WATER:	Soluble

10 STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions of use.

INCOMPATIBILITY/CONDITIONS OF REACTIVITY:

Strong oxidizers.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Hydrocarbons. Oxides of carbon.

HAZARDOUS POLYMERIZATION:

Will not occur.

11 TOXICOLOGICAL PROPERTIES

CHRONIC EFFECTS:

Prolonged or repeated exposure may result in redness and itchiness of the skin.

SENSITIZATION:

May cause an allergenic skin response in some individuals. May cause an allergic respiratory reaction in hypersensitive individuals.

CARCINOGENICITY:

None of the components of this product have been listed as carcinogenic by IARC, NTP or OSHA. (IARC- International Agency for Research on Cancer) (NTP - National Toxicology Program) (OSHA - Occupational Safety & Health Administration (US))

MUTAGENICITY:

Not mutagenic

REPRODUCTIVE TOXICITY:

Ingestion of ethanol and/or glutaraldehyde by pregnant women can cause reproductive toxicity to the fetus.

12 ECOLOGICAL INFORMATION

Very toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Disposal should be made in accordance with national and local regulations.

14 TRANSPORT INFORMATION

LAND TRANSPORT (DOT)

Proper Shipping Name: Disinfectants, Liquid, Corrosive N.O.S.
Technical Name(s): Quaternary ammonium compound
UN/ID No.: UN 1903
Hazard Class - Primary: 8
Hazard Class - Secondary:
Packing Group: III
Reportable Quantity (RQ):
Emergency Response Guide #: 153

AIR TRANSPORT (ICAO/IATA)

Proper Shipping Name: Disinfectants, Liquid, Corrosive N.O.S.
Technical Name(s): Quaternary ammonium compound
UN/ID No.: UN 1903
Hazard Class - Primary: 8
Hazard Class - Secondary:
Packing Group: III

MARINE TRANSPORT (IMDG/IMO)

Proper Shipping Name: Disinfectants, Liquid, Corrosive N.O.S.
Technical Name(s): Quaternary ammonium compound
UN No.: UN 1903
Hazard Class - Primary: 8
Hazard Class - Secondary:
Packing Group: III
EmS:

15 REGULATORY INFORMATION

SARA TITLE III:

SECTION 302/304 This product does not contain substances listed in Appendix A and B as an Extremely Hazardous Substance.

SECTION 311/312 Immediate, Delayed

SECTION 313 This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals.

TSCA INVENTORY: The substances in this product are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710).

CALIFORNIA PROP 65: This product may contain trace quantities of substances that are regulated under California Proposition 65.

PRIORITY POLLUTANTS:

16 OTHER INFORMATION

ISSUE DATE: 07/08/2010

PREPARED BY: BJ Services HSE Department

REFERENCES:

Supplier's Literature.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes

no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.
