

## **CHLORINE CHEMETS, ULR CHEMETS, VACUETTES (S**

### **MSDS Number**

BLBRH

### **National Stock Number**

6630-00N016456

### **Product Name**

CHLORINE CHEMETS, ULR CHEMETS, VACUETTES (S

### **Manufacturer**

CHEMETRICS INC

### **Product Identification**

Product ID:CHLORINE CHEMETS, ULR CHEMETS, VACUETTES (S

MSDS Date:04/26/1989

FSC:6630

NIIN:00N016456

MSDS Number: BLBRH

### **Responsible Party**

CHEMETRICS INC

ROUTE 28

CALVERTON , VA 22016

US

Emergency Phone: 800-356-3072

Info Phone: 800-356-3072

Cage: 7K791

### **Contractor**

CHEMETRICS INC

CALVERTON, VA 22016

US

800-356-3072; 540-788-9026

Cage: 7K791

### **Ingredients**

POTASSIUM PHOSPHATE, MONOBASIC

CAS: 7778-77-0

Fraction By Weight: 2.0%

METHYL ALCOHOL (METHANOL) (SARA III)

CAS: 67-56-1

RTECS: PC1400000

Fraction By Weight: 4.0%

OSHA PELs,200PPM/250STEL

ACGIH TLV: S,200PPM/250STEL; 93

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

WATER (DEIONIZED)

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: > 93.0%

ALL INFORMATION IN MSDS PERTAINS TO INGRED 7, METHANOL.

RTECS: 9999999ZZ

N,N DIETHYL-P-PHENYLENEDIAMINE OXALATE

CAS: 62637-92-7

Fraction By Weight: < 0.1%

FORMALDEHYDE (SARA III)

CAS: 50-00-0

RTECS: LP8925000

Fraction By Weight:

OSHA PELSEE 1910.1048

ACGIH TLV: C 0.3 PPM; A2; 9293

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

SULFURIC ACID (SARA III)

CAS: 7664-93-9

RTECS: WS5600000

Fraction By Weight: < 0.2%

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

ACETIC ACID, (ETHYLENEDINITRILO) TETRA-DISODIUM SALT

CAS: 139-33-3

RTECS: AH4375000

Fraction By Weight: 0.2%

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:SKIN: MAY CAUSE ECZEMA, REDNESS AND SCALING. EYE: MAY CAUSE CONJUNCTIVITIS. INGEST: MAY CAUSE DELAYED SYMPTOMS OF HEADACHE, ANOREXIA, WEAKNESS, FATIGUE, AND VERTIGO, FOLLOWED BY NAUSEA.

Explanation of Carcinogenicity:FORMALDEHYDE:GROUP 2A (IARC); GROUP 2 (NTP); OSHA REGULATED CARCINOGEN.

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:SKIN:WASH AFFECTED AREAS W/SOAP/MILD DETERGENT & LRG AMTS OF H\*2O. EYE:FLUSH CONTINUOUSLY W/COPIOUS AMTS OF H\*2O FOR AT LEAST 15 MIN. FORCIBLY HOLD EYELIDS APART TO ENSURE IRRIGATION OF ALL EYE & LID TISSUE. SEEK PROMPT MED ATTN. INGEST:SEEK PROMPT MED ATTN. IF MED ATTN IS NOT IMMED AVAILABLE, & VICTIM IS CONSCIOUS & NOT CONVUL, ATTEMP TO INDUCE VOMIT BY TOUCHING FINGER TO BACK OF (SEE SUPP DATA)

## Fire Fighting

Flash Point Method:CC  
Flash Point:52F (METHANOL)  
Lower Limits:6.0 %  
Upper Limits:36.5 %  
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY, OR FOAM.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

## Accidental Release

Spill Release Procedures:SHUT OFF IGNITION SOURCES. PROVIDE VENTILATION. DO NOT TOUCH SPILLED MATL. TAKE UP WITH SAND OR OTHER ABSORBENT MATL AND PLACE INTO SMALL CONTAINERS FOR DISPOSAL. CLOSE TIGHTLY AND LABEL "FLAMMABLE".  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

## Exposure Controls

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.  
Ventilation:LOCAL EXHAUST OR GENERAL DILUTION VENTILATION.  
Protective Gloves:PROTECTIVE GLOVES.  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:IMPERVIOUS CLOTHING.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
MFR PART NO/TRADE NAME: AND VACUVIALS, R2511. FIRST AID PROC: THROAT. ALSO GIVE SODIUM BICARBONATE (BAKING SODA), 2 TEASPOONFULS IN WATER. INHAL: REMOVE TO FRESH AIR, SUPPORT BREATHING (GIVE OXYGEN OR ARTIFICIAL RESPIRATION).

## Chemical Properties

HCC:F5  
Boiling Pt:B.P. Text:147 F(64 C)  
Melt/Freeze Pt:M.P/F.P Text:-144F(-98C)  
Vapor Pres:97 @ 20 C  
Spec Gravity:0.8  
Solubility in Water:SOLUBLE  
Appearance and Odor:COLORLESS LIQUID, ALCOHOL ODOR.

## Stability

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:COMBUSTIBLE PRODUCTS INCLUDE TOXIC, HAZARDOUS GASES OF FORMALDEHYDE, CARBON MONOXIDE AND CARBON DIOXIDE.

## Disposal

Waste Disposal Methods:DISPOSE OF BY MEANS AS TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS OR CONTACT AN APPROVED AND LICENSED DISPOSAL AGENCY.

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