

## **COPPER CHEMETS, VACUETTES AND VACU-VIALS, R**

### **MSDS Number**

BLMFR

### **National Stock Number**

6550-00N020999

### **Product Name**

COPPER CHEMETS, VACUETTES AND VACU-VIALS, R

### **Manufacturer**

CHEMETRICS INC

### **Product Identification**

Product ID: COPPER CHEMETS, VACUETTES AND VACU-VIALS, R

MSDS Date: 01/09/1989

FSC: 6550

NIIN: 00N020999

MSDS Number: BLMFR

### **Responsible Party**

CHEMETRICS INC

ROUTE 28

CALVERTON , VA 22016

Emergency Phone: 800-356-3072

Info Phone: 800-356-3072

Preparer: HENRY B CASTANEDA

Cage: 7K791

### **Contractor**

CHEMETRICS INC

CALVERTON, VA 22016

US

800-356-3072; 540-788-9026

Cage: 7K791

### **Ingredients**

AMMONIUM HYDROXIDE (SARA III)

CAS: 1336-21-6

RTECS: BQ9625000

Fraction By Weight: 20.0%

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

BATHOCUPROINE

Fraction By Weight: 0.1%

OXALIC ACID

CAS: 144-62-7

RTECS: RO2450000

Fraction By Weight: 0.5%  
OSHA PEL1 MG/M3/2 STEL  
ACGIH TLV: 1 MG/M3/2 STEL; 9192

**SODIUM BISULFITE (SASA III)**

CAS: 7631-90-5  
RTECS: VZ2000000  
Fraction By Weight: 0.5%  
OSHA PEL5 MG/M3  
ACGIH TLV: 5 MG/M3; 9192  
EPA Report Quantity: 5000 LBS  
DOT Report Quantity: 5000 LBS

**ACETONE (SARA III)**

CAS: 67-64-1  
RTECS: AL3150000  
Fraction By Weight:  
OSHA PEL1000PPM  
ACGIH TLV: 750PPM/1000STEL;9293  
EPA Report Quantity: 5000 LBS  
DOT Report Quantity: 5000 LBS

**ACETIC ACID (SARA III)**

CAS: 64-19-7  
RTECS: AF1225000  
Fraction By Weight: 15%  
OSHA PEL10 PPM  
ACGIH TLV: 10 PPM/15 STEL; 9192  
EPA Report Quantity: 5000 LBS  
DOT Report Quantity: 5000 LBS

**DEIONIZED WATER**

CAS: 77-18-5  
Fraction By Weight: 62%

**Hazards**

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:CORROSIVE TO EYES, SKIN, AND MUCOUS  
MEMBRANES. SKIN: MAY CAUSE DERMATITIS. EYE: MAY CAUSE IRRITATION,  
CATARACTS, AND RETINAL ATROPHY. INGESTION: MAY CAUSE EXCESSIVE  
SALIVATION, NAUSEA, VOMITING, GASTR IC IRRITATION, AND POSSIBLY  
PERFORATION.  
Explanation of Carcinogenicity:NOT RELEVANT.  
Effects of Overexposure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:SKIN: THORO WASH AFFECTED AREAS W/SOAP/MILD DETERGENT & LRG AMTS OF H2O. IN CASE OF CHEM BURNS, COVER AREA W/STERILE DRY DRESSING. SEEK PROMPT MED ATTN. EYE: FLUSH CONT W/COPIOUS AMTS OF H2O FOR AT LE AST 15 MIN. FORCIBLY HOLD EYELIDS APARTTO ENSURE IRRIGATION OF ALL EYE & LID TISSUE. SEEK PROMPT MED ATTN. INGEST: IF VICTIM IS CON & NOT CONVULSIVE, IMMED GIVE VICTIM LRG QTYS OF H2O. (SUP DAT)

## Fire Fighting

Flash Point:NON-FLAMMABLE  
Lower Limits:16%  
Upper Limits:27%  
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY, OR FOAM.  
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:DECOMPOSES, RELEASING IRRITATING OR TOXIC GASES, WHEN HEATED.

## Accidental Release

Spill Release Procedures:DO NOT TOUCH SPILLED MATERIAL. TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL AND PLACE INTO SMALL CONTAINERS FOR DISPOSAL.  
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:USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .  
Ventilation:LOCAL EXHAUST.  
Protective Gloves:CHEMICAL RESISTANT GLOVES.  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:IMPERVIOUS CLOTHING. EMERGENCY EYE WASH & DELUGE SHOWER .  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
FIRST AID PROC: DO NOT INDUCE VOMITING. SEEK PROMPT MEDICAL ATTENTION.  
VAP PRESS: 420-475 (AS NH3).

## Chemical Properties

HCC:C2  
Melt/Freeze Pt:M.P/F.P Text:-107F,-77C  
Vapor Pres:SUPP DATA  
Vapor Density:0.6  
Spec Gravity:0.9  
Solubility in Water:COMPLETE  
Appearance and Odor:COLORLESS LIQUID, STRONG AMMONIA ODOR.

## Stability

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:MAY PRODUCE CORROSIVE VAPORS OF AMMONIA AND TOXIC OXIDES OF NITROGEN.

## 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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