

## **R3510 COPPER CHEMETS, VACUETTES AND VACU-VI**

### **MSDS Number**

BNCNL

### **National Stock Number**

6550-01-332-7881

### **Product Name**

R3510 COPPER CHEMETS, VACUETTES AND VACU-VI

### **Manufacturer**

CHEMETRICS INC

### **Product Identification**

Product ID:R3510 COPPER CHEMETS, VACUETTES AND VACU-VI

MSDS Date:01/09/1989

FSC:6550

NIIN:01-332-7881

MSDS Number: BNCNL

### **Responsible Party**

CHEMETRICS INC

ROUTE 28

CALVERTON , VA 22016

US

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**

BATHOCUPROIN

CAS: 4733-39-5

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

AMMONIUM HYDROXIDE (SARA III)

CAS: 1336-21-6

RTECS: BQ9625000

Fraction By Weight: 20 - 30%

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: >62%

## Hazards

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SEVEERE EYE, MUCOUS MEMBRANE ANDSKIN IRRRITANT.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYE:MAY CAUSE CONJUNCTIVITIS SKIN:MAY CAUSE SENSITIZATION DERMATITIS. INGESTION:BURNING OF MOUTH AND THROAT. INHALED:NO INFORMATION GIVEN ON MSDS BY SUPPLIER.

Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

## First Aid

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. INHALED:NO INFORMATION GIVEN ON MSDS BY SUPPLIER.

INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILKOR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

## Fire Fighting

Flash Point:104F,40C

Lower Limits:5.4

Upper Limits:16

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

## Accidental Release

Spill Release Procedures:SHUT OFF IGNITION SOURCES. DO NOT TOUCH SPILLED MATERIAL. TAKE UP WITH SAND ORT OTHER ABSORBENT MATERIAL AND PLACE IN SMALL CONTAINERS FOR DISPOSAL.

Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

## Handling

Handling and Storage Precautions:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Other Precautions:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

## Exposure Controls

Respiratory Protection:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Ventilation:LOCAL EXHAUST

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING

Work Hygienic Practices:HMIS: USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

MSDS WAS SUPPLIED BY NAVY (FOCAL POINT N). NAVY IDENTIFIED NSN. NOTE: CHEMETRICS SUPPLIED THE MSDS'S FOR GLACIAL ACETIC ACID(P/N IND A) AND AMMONIUM HYDROXIDE (P/N IND B). HMIS IS PASSING THESE ALONG AS PRESENTED BY THE MANUFACTURER.

## Chemical Properties

HCC:N1

Boiling Pt:B.P. Text:244F,118C

Melt/Freeze Pt:M.P/F.P Text:62.0F,16.7C

Vapor Pres:11 MM

Spec Gravity:1.04

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID, SHARP PUNGENT ODOR

## Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

---

## Disposal

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER MAKES NO SUGGESTIONS AS TO METHOD OF DISPOSAL.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.