

Cab. 5

ATOMERGIC CHEMETALS CORP -- COPPER SULFIDE, CHALCOCITE, CUPROUS SULFIDE -- 6810-00N055793

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MS Safety Information

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FSC: 6810  
 MSDS Date: 10/05/1990  
 MSDS Num: BWCPM  
 LIIN: 00N055793  
 Tech Review: 11/30/1994  
 Product ID: COPPER SULFIDE, CHALCOCITE, CUPROUS SULFIDE  
 Responsible Party  
 Cage: 1S133  
 Name: ATOMERGIC CHEMETALS CORP  
 Address: 222 SHERWOOD AVE  
 City: FARMINGDALE NY 11735-1718 US  
 Info Phone Number: 516-694-9000  
 Emergency Phone Number: 516-694-9000  
 Review Ind: N

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Contractor Summary

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Cage: 1S133  
 Name: ATOMERGIC CHEMETALS CORP  
 Address: 91 CAROLYN BLVD  
 City: FARMINGDALE NY 11735-1527 US

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Ingredients

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Cas: 22205-45-4  
 FSC #: GL8910000  
 I : COPPER SULFIDE  
 % by Wt: 100  
 OSHA PEL: 1 MG/M3 (AS CU)  
 ACGIH TLV: 1 MG/M3 (AS CU)

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Health Hazards Data

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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
 Route Of Entry Inds - Inhalation: YES  
 Skin: NO  
 Ingestion: NO  
 Carcinogenicity Inds - NTP: NO  
 IARC: NO  
 OSHA: NO  
 Effects of Exposure: INHAL:RESP IRRIT. IRRIT, SNEEZING, COUGHING, DFCLTY  
 BRTHG & PULM EDEMA POSS. SKIN:ITCHING, REDNESS, INFLAMM & DERM POSS.  
 EYE:IRRIT, WATERING, REDNESS, POSS OF BURNS & TISS DMG. INGEST:NAUS,  
 VOMIT, SAL IVATION, STOMACH CRAMPS, DIZZ & DIARR POSS. MAY CAUSE LIVER,  
 KIDNEY & NERVOUS SYS DMG WITH CHRONIC (EFTS OF OVEREXP)  
 Explanation of Carcinogenicity: NOT RELEVANT  
 Signs And Symptions Of Overexposure: HLTH HAZ:EXPOS. MUTAGENIC. AS THE  
 SUBLIMED OXIDE, COPPER MAY BE RESPONSIBLE FOR ONE FORM OF METAL FUME  
 FEVER. INHAL OF COPPER DUST HAS CAUSED, IN ANIMALS, HEMOLYSIS OF RED  
 BLOOD CELLS, DEPOSITION OF H EMOFUSCIN IN LIVER & PANCREAS, & INJURYTO  
 LUNG CELLS. CUPROUS OXIDE IS IRRIT TO EYES & UPPER RESP TRACT. (SUPP  
 DATA)  
 Medical Cond Aggravated By Exposure: RESPIRATORY DISORDERS.  
 1st Aid: INGEST:GIVE 2 GLASSES OF WATER AND INDUCE VOMITING.  
 INHAL:REMOVE TO FRESH AIR; GIVE OXYGEN IF BREATHING IS DIFFICULT. SEEK  
 MEDICAL ATTENTION. SKIN:BRUSH MATERIAL OFF SKIN AND WASH AREA WITH SOAP

AND WATER. SEEK MEDICAL ATTENTION. EYE: FLUSH EYES WITH LUKEWARM WATER FOR AT LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION.

#### Handling and Disposal

Spill Release Procedures: WEAR A SCBA AND FULL PROTECTIVE CLOTHING.

ISOLATE AREA WHERE THE SPILL OCCURRED AND INSURE PROPER VENTILATION IS AVAILABLE. VACUUM UP SPILL USING A HIGH EFFICIENCY UNIT AND PLACE IN A CONTAINER FOR PROPER DISPOSAL. TAKE CARE NOT TO RAISE DUST.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions: STORE IN TIGHTLY CLOSED CONTAINERS IN A COOL, DRY PLACE.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

#### Fire and Explosion Hazard Information

Flash Point Text: NON APPLICABLE

Extinguishing Media: USE DRY CHEMICAL, CO<sub>2</sub>.

Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard: MATERIAL EMITS TOXIC FUMES OF SO<sub>2</sub> WHEN HEATED TO DECOMP. HYDROGEN SULFIDE EVOLVED CAN FORM EXPLO MIX W/AIR. UPON CONTACT W/MOISTURE/ACIDS HYDROGEN SULFIDE MAY (SUP DAT)

#### Control Measures

Respiratory Protection: WEAR NIOSH/MSHA APPROVED DUST-MIST-FUME CARTRIDGE RESPIRATOR.

Ventilation: LOCAL EXHAUST: MAINTAIN EXPOSURE BELOW TLV.

MECHANICAL: RECOMMENDED. SPECIAL: HANDLE IN CONTROLLED ATMOSPHERE.

Protective Gloves: NEOPRENE.

Eye Protection: ANSI APPROVED CHEM WORKER GOGGLES (FP N).

Other Protective Equipment: WEAR PROTECTIVE CLOTHING TO PREVENT CONTAMINATION OF SKIN & CLOTHING. ANSI APPROVED EMERGENCY EYE BATH & DELUGE SHOWER (FP N).

Work Hygienic Practices: WASH HANDS AND FACE THOROUGHLY AFTER HANDLING AND BEFORE EATING.

Supplemental Safety and Health: SOLUBLE IN H<sub>2</sub>O: 1X10<sup>-14</sup> G/100 ML. EXPLO HAZARD: BE EVOLVED. MANY POWERFUL OXIDIZERS ON CONTACT WITH SULFIDES IGNITE VIOLENTLY. EFFECTS OF OVEREXPOSURE: DISCOLORATION OF THE SKIN IS OFTEN SEEN IN PERSONS HANDLING COPPER, BUT THIS DOES NOT INDICATE ANY ACTUAL INJURY FROM COPPER.

#### Physical/Chemical Properties

M.P./F.P Text: 2012°F, 1100°C

Evaporation Rate & Reference: N/A (H<sub>2</sub>O=1)

Solubility in Water: INSOLUBLE (SUP DAT)

Appearance and Odor: BLuish-BLACK CRYSTALLINE POWDER

#### Reactivity Data

Stability Indicator: NO

Stability Condition To Avoid: HEATING IN AIR.

Materials To Avoid: OXIDIZERS, ACIDS.

Hazardous Decomposition Products: SO<sub>2</sub>, CN FUMES (THERMAL), H<sub>2</sub>S.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: HEAT, INCOMPATIBLE MATERIALS.

## Toxicological Information

## Environmental Information

## MSDS Transport Information

## Regulatory Information

## Other Information

## HAZCOM Label

Product ID: COPPER SULFIDE, CHALCOCITE, CUPROUS SULFIDE

Cage: 1S133

Company Name: ATOMERGIC CHEMETALS CORP

Street: 91 CAROLYN BLVD

City: FARMINGDALE NY

Zipcode: 11735-1527 US

Health Emergency Phone: 516-694-9000

Date Of Label Review: 11/30/1994

Label Date: 11/30/1994

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Moderate

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: CORROSIVE. ACUTE/CHRONIC:INHAL:RESPIRATORY

IRRITATION. IRRITATION, SNEEZING, COUGHING, DIFFICULTY BREATHING AND PULMONARY EDEMA POSSIBLE. SKIN:ITCHING, REDNESS, INFLAMMATION AND DERMATITIS POSSIBLE. EYE:IRRITATION, WATERING, REDNESS, POSSIBILITY OF BURNS AND TISSUE DAMAGE. INGEST:NAUSEA, VOMITING, SALIVATION, STOMACH CRAMPS, DIZZINESS AND DIARRHEA POSSIBLE. MAY CAUSE LIVER, KIDNEY AND NERVOUS SYSTEM DAMAGE WITH CHRONIC EXPOSURE. MUTAGENIC. INHALATION OF COPPER DUST HAS CAUSED HEMOLYSIS OF RED BLOOD CELLS, DEPOSITION OF HEMOFUSCIN IN LIVER AND PANCREAS, AND INJURY TO LUNG CELLS.

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