

Product Name: Steric Micro Copper 5%

Product ID # 492

SECTION I MANUFACTURER'S INFORMATION

Manufacturer's Name & Address

Verdesian Life Sciences
12222 Ave 352
Visalia, CA 93291

Emergency Telephone Number:

1-800-424-9300

Number for Information:

1-800-868-6446

Date Prepared:

December 10, 2004

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

	CAS#	OSHA PEL	ACGIH TLV
Zinc Sulfate	7758-98-7	1 mg/m ³	1 mg/m ³

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Melting Point	N/A	Specific Gravity (H2O-1)	1.15
Vapor Pressure (mm Hg.)	NA	Melting Point	-N/A
Vapor Density (AIR-1)	N/A	Evaporation Rate	-N/A
Appearance and Odor	Opaque Brown Liquid/odorless		
Solubility in H2O	Miscible		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (method use)

-N/A

Flammable Limits

-N/A

Extinguishing Media

Water Fog, CO2, Dry Chemical, Foam

Special Fire Fighting Procedures

Fight fire upwind. Wear Positive pressure self-contained breathing apparatus

and full protective equipment. Avoid breathing smoke or mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

SECTION V REACTIVITY DATA

Stability -

Conditions to avoid

High humidity

Stable - X

Incompatibility (Materials to Avoid)

Hydroxylamine, Acids, magnesium

Hazardous Decomposition or by-products

Copper fume, Cox, SOx

Hazardous Polymerization

-Will not Occur - X

Conditions to Avoid- **Keep out of Reach of Children, Avoid contact with eyes.**

SECTION VI SPILL OR LEAK PROCUDRES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate respiratory and personal protective equipment. Absorb with inert material and vacuum or sweep into an approved disposal container.

DECONTAMINATION: Treat spill area with detergent and water. Absorb with inert material and place in approved disposal containers. Repeat as necessary until area is clean.

ENVIRONMENTAL HAZARDS: Dike to prevent entering drains, sewers or water courses.

DISPOSAL: Dispose of in accordance with Federal, state and local regulations.

SECTION VII HEALTH PRECAUTION DATA

INGESTION: Acute oral LD50 (rat) 300 mg/kg (SAX*). Do not ingest. Can be fatal. Wash thoroughly before eating, drinking or smoking. Do not store near feed or food.

INHALATION: PEL/TLV 1 mg/m³. Wear appropriate respiratory protective equipment for exposures above the PEL/TLV. Can irritate mucous membranes.

SKIN ABSORPTION: Can cause skin irritation producing eczema and itching. Wear proper personal protective equipment to prevent skin exposure.

EYE EXPOSURE: Keep out of eyes. Can cause eye irritation, conjunctivitis and corneal damage. Wear proper eye protection to reduce splash exposure. If exposed, flush eyes for a minimum of 15 minutes with water.

EFFECTS OF OVEREXPOSURE: Can irritate skin, eyes, and mucous membranes. Can cause diarrhea, nausea, headache, sweating, shock, jaundice, convulsions or coma. Chronic overexposure can cause damage to kidney, liver and spleen. Pre-existing medical conditions involving the above symptoms may be aggravated by exposure to this product.

FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water. Do not induce vomiting. For skin exposure, remove contaminated clothing and wash with soap and water. For eye exposure, flush eyes with water for a minimum of 15 minutes. If inhaled, remove victim to fresh air, and administer CPR if necessary.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Recommend use of NIOSH/MSHA-approved respirator for organic vapors for the exposures up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and exposures above 10 times the PEL/TLV.

PERSONAL PROTECTIVE EQUIPMENT: Neoprene or rubber gloves, rubber or neoprene boots, long-sleeved coveralls, safety goggles or glasses with side shields and brow protection and hat. For manufacture, formulation and application operations recommend a shower at the end of the work shift.

VENTILATION: Local exhaust ventilation is recommended for formulation and manufacture. General ventilation sufficient for intended use.

SECTION IX SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions.

SECTION X REGULATORY DATA

SARA HAZARD CLASS: Acute Chronic Flammable Pressure Reactive None

SARA 313: Yes No Chemical: Copper Compounds

SARA 302: Yes No Chemical:

TPQ:

CERCLA: Yes No Chemical: Copper Sulfate

RQ: 1000*

RCRA: Yes No

NFPA HAZARD RATING:

NFPA HAZARD RATING SCALE:

Health: [2]

Fire: [1]

Reactivity: [0]

Special: []

HMIS CODES:

Health: [2]

Fire: [1]

Reactivity: [0]

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMIS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

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DATE: December 10, 2004

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