

# MATERIAL SAFETY DATA SHEET



Transportation & Medical Emergency Phone: **1-800-535-5053 (INFOTRAC)**

General Phone: 317-580-8282

## CuPRO\* 5000 Fungicide/Bactericide

EPA Registration Number: 80289-2-67690

Revision Date: 06/05/11

SePRO Corporation Carmel, IN 46032-4562

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT:

CuPRO\* 5000 Fungicide/Bactericide

#### COMPANY IDENTIFICATION:

SePRO Corporation

11550 North Meridian Street, Suite 600

Carmel, IN 46032-4565

[www.sepro.com](http://www.sepro.com)

#### Information Phone:

317-580-8282 (Mon – Fri, 8 am to 5 pm EST)

### 2. HAZARDS IDENTIFICATION

- DANGER.** Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if swallowed, absorbed through skin or if inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing dust.

#### EMERGENCY PHONE NUMBER:

1-800-535-5053

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>CAS #</u>	<u>%</u>
Copper Hydroxide Technical <sup>†</sup> ( <sup>†</sup> Metallic Copper)	20427-59-2	40 - 42%

### 4. FIRST AID MEASURES

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control center or doctor for treatment advice.

**IF IN EYES:** Hold eyes open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

### 5. FIRE FIGHTING MEASURES

**RECOMMENDED EXTINGUISHERS:** Not flamamable or explosive. Use water, CO<sub>2</sub>, Foam, Chemical powders, according to the materials involved in the fire.

**EXTINGUISHERS NOT TO BE USED:** None in particular.

**RISKS ARISING FROM COMBUSTION:** Avoid inhaling the fumes.

**PROTECTIVE EQUIPMENT:** Use minimal respiratory protection equipment cited in Section 8 and standard protection equipment according to the materials involved in the fire.

### 6. ACCIDENTAL RELEASE MEASURES

**MEASURES FOR PERSONAL SAFETY:** Use a mask, protective eyewear, gloves and protective clothing (see Section 8).

# MATERIAL SAFETY DATA SHEET



Transportation & Medical Emergency Phone: 1-800-535-5053 (INFOTRAC)

General Phone: 317-580-8282

## CuPRO\* 5000 Fungicide/Bactericide

EPA Registration Number: 80289-2-67690

Revision Date: 06/05/11

SePRO Corporation Carmel, IN 46032-4562

**ENVIRONMENTAL MEASURES:** If the product has entered a waterway and/or drainage system, or has contaminated the ground and/or vegetation, notify the competent authorities.

**CLEANING METHODS:** Rapidly recover the product and prevent it from entering into drainage systems, if possible. In so doing wear protective clothing (see Section 8). After the product has been recovered, rinse the area and contaminated materials involved with water. Dispose of unrecoverable product, rinsate, or rinsate solids as hazardous substances (see Section 13).

### 7. HANDLING AND STORAGE

**HANDLING PRECAUTIONS:** Avoid contact and inhalation of dust (see Section 8). Do not eat, drink or smoke while working.

**INCOMPATIBLE MATERIALS:** None in particular.

**STORAGE CONDITIONS:** Store in a cool, dry place.

#### INSTRUCTIONS REGARDING STORAGE

**PREMISES:** Adequately ventilated premises.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**PRECAUTIONARY MEASURES:** Give adequate ventilation to the premises where the product is stored and/or handled.

**RESPIRATORY PROTECTION:** Use respiratory protection where ventilation is insufficient or exposure is prolonged, e.g., CEN/FFP-2(S) or CEN/FFP-3(S).

**PROTECTION FOR HANDS:** Use chemical resistant gloves made of waterproof material, such as polyvinyl chloride, nitrile rubber, or butyl rubber.

**EYE PROTECTION:** Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1.

**PROTECTION FOR SKIN:** Use coveralls (long sleeve shirt and pants) and shoes plus socks.

**EXPOSURE LIMIT(S) (ACGIH):** None.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND COLOR:** Light blue-green granules

**ODOR:** Odorless

**pH:** 8.8 – 9.0 (1% in water)

**FLAMMABLE PROPERTIES:** Not flammable

**EXPLOSIVE PROPERTIES:** Not explosive

**BULK DENSITY (TAP):** 1.02 g/cc

### 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Stable under normal storage conditions.

**SUBSTANCES TO AVOID:** None in particular

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

### 11. TOXICOLOGICAL INFORMATION

#### Acute Toxicity:

LD<sub>50</sub> (oral): 944.6 mg/kg (rat)

Dermal LD<sub>50</sub> (dermal): > 2,000 mg/kg (rat)

LC<sub>50</sub> (4h) (inhalation): 1.287 mg/L air

# MATERIAL SAFETY DATA SHEET



Transportation & Medical Emergency Phone: **1-800-535-5053 (INFOTRAC)**

General Phone: 317-580-8282

## CuPRO\* 5000 Fungicide/Bactericide

EPA Registration Number: 80289-2-67690

Revision Date: 06/05/11

SePRO Corporation Carmel, IN 46032-4562

### Irritation:

Skin: Not irritant

Eye: Irritant

controlled conditions. In so doing, comply with the local and national regulations currently in force.

**Sensitization:** Not sensitizing

**Data referred to technical Copper Oxychloride and Copper Hydroxide:**  
**Carcinogenic effects:** No carcinogenic effects.

**Mutagenic effects:** No mutagenic effects.

**Teratogenic effects:** No teratogenic effects.

### 12. ECOLOGICAL INFORMATION

List of substances dangerous for the environment and corresponding classification:

#### Data referred to technical Copper Oxychloride:

Fish (*Oncorinchus mykiss*):

LC<sub>50</sub> (96h): 0.0165 mg Cu/L

Freshwater invertebrate (*Daphnia magna*):

LC<sub>50</sub> (48h): 0.0422 mg Cu/L

Algae (*Scenedesmus Subspicatus*):

EC<sub>50</sub> (72h): 22.5 mg Cu/L

List of substances dangerous for the environment and corresponding classification:

Copper Hydroxide technical

CAS: 20427-59-2

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 13. DISPOSAL CONSIDERATIONS

Recover, if possible. Send non-recoverable product, rinsate or rinsate solids to authorized disposal plants or for incineration under

### 14. TRANSPORT INFORMATION

DOT-UN Number: N/A

DOT-Class: N/A

DOT-Shipping Name: N/A (pesticide-non regulated)

DOT-Label/Placard: N/A

DOT-Packing Group: N/A

DOT-Marine Pollutant: Yes [regulated only for bulk packaging and vessel (i.e. barge shipments) (49 CFR 171, 4(c)). In these cases follow IMDG information below for appropriate labeling and classification]

ADR/RID-UN Number: 3077

ADR/RID-Class: 9

ADR/RID-Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S.

ADR/RID-Label/Placard: 9

ADR/RID-Packing Group: III

ADR/RID-Marine Pollutant: Yes (add description and Environmentally Hazardous Substance label for vessel shipment only)

IMDG-UN Number: 3077

IMDG-Class: 9

IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (42% copper hydroxide)

IMDG-Label/Placard: 9 + Environmentally Hazardous Substance Label

IMDG-Packing Group: III

IMDG-Marine Pollutant: Yes (add to shipping paper and include % of ingredient)

IMDG-EmS: F-A, S-F

### 15. REGULATORY INFORMATION

# MATERIAL SAFETY DATA SHEET



Transportation & Medical Emergency Phone: **1-800-535-5053 (INFOTRAC)**

General Phone: 317-580-8282

## **CuPRO\* 5000** **Fungicide/Bactericide**

EPA Registration Number: 80289-2-67690

Revision Date: 06/05/11

SePRO Corporation Carmel, IN 46032-4562

**USEPA Registration Number 80289-2-67690**

### **16. OTHER INFORMATION**

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. This MSDS cancels and replaces any preceding release.

Creation date: 20110605

Isagro REV 020910