

# Material Safety Data Sheet



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

General Phone: 317-580-8282

EPA Reg. No.: 67690-36

Revision Date: 05/06/2008

## Camelot\* Fungicide/Bactericide

SePRO Corporation Carmel, IN 46032-4562

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT:** Camelot\* 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 (Monday - Friday, 8:00 am to 5:00 pm EST)

### 2. HAZARDOUS IDENTIFICATIONS

#### EMERGENCY OVERVIEW

- **CAUTION!** Product contains petroleum distillates.
- Material causes skin irritation and moderate eye irritation.
- Harmful if swallowed, absorbed through the skin, or inhaled.
- Avoid contact with eyes or clothing.
- Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**EMERGENCY PHONE NUMBER: 800-535-5053**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component Name	CAS #	% by Wt.
Copper Salts of Fatty & Rosin Acids	61789-22-8	58.0%
Inert Ingredients		42.0%

\* As copper dusts or mists (CAS # 7440-50-8).

### 4. FIRST AID MEASURES

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

**INGESTION:** Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give any liquid to the person. Never give anything by mouth to an unconscious person.

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

**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.

**NOTE TO PHYSICIAN:** Product contains aromatic petroleum distillates; treat accordingly.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT & METHOD USED:** 150° F, Closed Cup

**FLAMMABLE LIMITS:** Not determined

**AUTO-IGNITION TEMPERATURE:** Not determined

**EXTINGUISHING MEDIA:** Use carbon dioxide, sand, dry chemical, or other media used for petroleum fires. Water emulsifies product making clean-up difficult.

**FIRE AND EXPLOSION HAZARDS:** No unusual fire or explosion hazards known other than product is combustible. Heat may cause drums to rupture.

**FIREFIGHTING EQUIPMENT / INSTRUCTIONS:** Wear self-contained breathing apparatus and full protective clothing. Product easily emulsifies in water resulting in slick floors and making clean-up difficult. Product is slick and sticky.

**HAZARDOUS COMBUSTION PRODUCTS:** None known

### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO TAKE FOR SPILLS/LEAKS:** Wear protective clothing. Cover spill with absorbent material such as sweeping compound or lime. Sweep up and place in an appropriate chemical waste container for disposal.

Prevent runoff. This pesticide is toxic to fish and aquatic organisms.

Report large spills to **INFOTRAC** and consult SePRO Corporation for assistance.

### 7. HANDLING AND STORAGE

**Handling:** Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**Storage:** Store in a cool, dry, secure place away from fire or open flame. Keep container closed and reseal after use. Product is not damaged by freezing, but should be stored at temperatures above 32°F.

**Keep Out of Reach of Children**

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### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

These precautions are suggested for conditions where the potential for exposure exists. Emergency conditions may require additional precautions.

**APPLICATORS AND ALL OTHER HANDLERS:** Refer to the product label and directions for use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170.

#### RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

**VENTILATION:** No special ventilation requirements are known necessary. Product should remain in unopened original container until used. Product is usually used outdoors. Do not intentionally breathe vapors.

**RESPIRATORY PROTECTION:** None known necessary.

**EYE/FACE PROTECTION:** Wear protective eyewear to prevent contact with this substance.

**SKIN PROTECTION:** Wear coveralls over short-sleeved shirt and short pants. Chemical-resistant gloves such as Nitrile rubber, Neoprene rubber, or Polyvinyl chloride should be worn. Wear chemical-resistant headgear for overhead exposure and chemical-resistant apron when cleaning equipment, mixing, or loading. Wear shoes plus socks.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**COLOR:** Dark green

**PHYSICAL STATE:** Liquid

**ODOR:** Petroleum solvent odor

**VAPOR PRESSURE:** 1.5 @ 20° C; 8.8 @ 25° C

**VAPOR DENSITY (AIR =1):** Not determined

**SPECIFIC GRAVITY:** 1.006 @ 70° F

**SOLUBILITY IN WATER:** Emulsifiable in water – wide range %

**pH:** Neutral

**BOILING POINT (760 MM HG):** 200 - 212° F

**MELTING POINT:** Not determined

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal storage conditions.

**INCOMPATIBILITY (Specific materials to avoid):** Excessive heat.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None at normal process temperatures and pressures. On combustion, copper, CO<sub>2</sub> and water would form.

**HAZARDOUS POLYMERIZATION:** Material not known to polymerize.

### 11. TOXICOLOGICAL INFORMATION

**POTENTIAL HEALTH EFFECTS:** This section includes possible adverse effects, which could occur if this material is not handled in the recommended manner.

**NOTE:** Acute overexposure may cause irritation in certain individuals. None are known or reported in use or production.

**EYES:** May be irritating to the eyes, but is reversible. Depending on concentration and duration of contact, repeated or prolonged exposure to the eyes may result in symptoms as in acute exposure.

**SKIN:** Slight - Moderate primary skin irritant. Excessive exposure, especially if prolonged, may produce skin irritation. Repeated exposure may cause allergic contact dermatitis. Rarely, sensitization to copper may occur. Acute dermal LD<sub>50</sub> > 2,000 mg/kg. Primary dermal irritation index: 3.15.

**INGESTION:** Ingestion of copper salts may result in irritation of the gastrointestinal tract, nausea, vomiting, salivation, gastric pain, hemorrhagic gastritis, diarrhea, capillary damage, liver and kidney damage, and central nervous system stimulation followed by depression. Jaundice, pain in the liver, and hemolytic anemia have been reported following acute human poisonings. Repeated ingestion of copper salts may result in anemia, liver and kidney damage. Oral LD<sub>50</sub> = 4,000 mg/kg (rats).

**INHALATION:** May cause irritation of the mucous membranes. Exposure to copper fumes may result in a metallic taste, nausea, vomiting, and metal fume fever with chills, fever, aching muscles, dry throat, and headache. Repeated or prolonged inhalation of dust, mist or fumes of copper and copper salts may cause irritation of the upper respiratory tract and occasionally ulceration and perforation of the nasal septum. Acute inhalation (4-hour mist) LC<sub>50</sub> > 1.45 mg/L.

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### 12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish and aquatic organisms. Do not apply directly to water, or areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-waters.

#### ECOTOXICOLOGY (Copper Hydroxide)

Test Type	Species	Value
Aquatic EC <sub>50</sub>	Pinfish	4.9 ppm @ 24 hrs; 1.8 ppm @ 48 hrs

### 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, or for plastic containers dispose of by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### 14. TRANSPORT INFORMATION

**Note:** Inhalation data generated using a smaller particle size than is reasonably foreseeable to be encountered by a human during transport. Since a mist is not likely to be generated in a leakage of the transport containment, this material is not regulated for transport per DOT 49 CFR 173.132 (b)(3), IATA 3.6.1.5.3, IMDG Code IV / 6.1 / 2.2.3, ADR 2600(3) / 2.5 (and corresponding RID provision).

Department of Transportation (DOT)	Regulated*
International Air Transport Association (IATA)	Not Regulated
International Maritime Organization (IMO)	Regulated**

\* Regulated only when in a bulk packaging (>119 gallons (450 Liters), and when being transported to, from, or within the United States. See table below.

\*\* Proper shipping name also applies to IMO.

**Proper Shipping Name:** Combustible liquid, n.o.s. (petroleum distillates, xylene)

Identification No.: UN 1993

Packing Group: III

Special Notes: RQ (xylene) = 100 lbs (45.4 kg).

\*\* Add "RQ" to proper shipping name if there is 100 lbs (45.4 kg) or more of xylene per package.

For additional shipping information contact SePRO Corporation at 317-580-8282 and speak with the Logistics Manager.

### 15. REGULATORY INFORMATION

**NOTICE:** The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

#### U.S. REGULATIONS

**SARA TITLE III, SECTION 313:** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Chemical Name	CAS Number	Concentration
Metallic copper	7440-50-8	above de minimis

**SARA HAZARD CATEGORY:** This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

- An Immediate Health Hazard

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**STATE RIGHT-TO-KNOW:** To the best of our knowledge, this product is not known to contain any substance subject to the disclosure requirements of any state.

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### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 701) and HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):

(4 = Extreme; 3 = High; 2 = Moderate; 0 = Insignificant)

Category	Rating
Health	2
Flammability	2
Reactivity	0

**OSHA HAZARD COMMUNICATION STANDARD:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT

**(CERCLA, OR SUPERFUND):** Releases of a component of this material (metallic copper) to air, land, or water are reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to the state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

### RESOURCE CONSERVATION AND RECOVERY ACT (RCRA):

To the best of our knowledge, this product does not meet the characteristic definition of ignitability, corrosivity or reactivity and is not listed in 40 CFR §261.33.

### 16. OTHER INFORMATION

**MSDS STATUS:** Replaces MSDS dated 04/08/08

**SECTION NUMBER(S) UPDATED:** 14

The information in this Material Safety Data Sheet relates to this specific material. It may not be valid for this material if used in combination with any other materials or in any process. It is the users' responsibility to satisfy themselves as to the suitability and completeness of this information for their own particular use.

**The Information Herein Is Given In Good Faith, But No Warranty, Express or Implied, Is Made. Consult SePRO Corporation for Further Information.**