

MATERIAL SAFETY DATA SHEET

Prescription Treatment® brand Camelot® Fungicide / Bactericide

EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (PROSAR)

TRANSPORTATION: 800-424-9300 (CHEMTREC)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Prescription Treatment® brand Camelot® Fungicide / Bactericide
EPA Reg. No.: 1812-381-499
Product Code: 09-2371 (4 x 1 Gallon)
EPA Signal Word: CAUTION
Distributed by: Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION

ACTIVE INGREDIENTS (58.0%)	%	CAS NO.
Copper salts of fatty and rosin acids	58.0%	61789-22-8

OTHER INGREDIENTS (42.0%)	%	CAS NO.
Xylene range aromatic petroleum solvent	28.4%	1330-20-7

EXPOSURE INFORMATION

Material	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
Copper salts of fatty and rosin acids	NE	1 mg/M ³ *	NE	1 mg/M ³
Xylene range aromatic petroleum solvent	NE	435 mg/M ³	655 mg/M ³	435 mg/M ³

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

SECTION 3. HAZARDS IDENTIFICATION

NOTE TO PHYSICIAN

Product contains aromatic petroleum distillates; treat accordingly.

SIGNS/SYMPTOMS OF EXPOSURE

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. May be irritating to the eyes, but is reversible. Slight skin irritant. Excessive exposure, especially if prolonged, may produce skin irritation. Repeated exposure may cause allergic contact dermatitis. 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.

ROUTES OF ENTRY

Primary: Skin **Secondary:** Ingestion **Tertiary:** Inhalation

HAZARDOUS DECOMPOSITION PRODUCTS

None at normal process temperatures and pressures. On combustion, copper, CO₂ and water would form.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

No unusual fire or explosion hazards known other than product is combustible. Heat may cause drums to rupture.

SECTION 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. Describe any symptoms and follow the advice given.

Inhalation: Remove victim to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

Eye Contact: Hold eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact: 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.

Ingestion: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

Note to Physician: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (TAG Closed Cup): 108° F
Flammable Limits in Air (% by volume): NE
Autoignition Temperature: NE

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

No unusual fire or explosion hazards known other than product is combustible. Heat may cause drums to rupture.

IN CASE OF FIRE

Extinguisher Media: CO₂, sand, dry chemical, or other media used for petroleum fires. Water emulsifies product making clean-up difficult.

Special Fire Fighting Procedures: Product easily emulsifies in water resulting in slick floors and making clean-up difficult. Product is slick and sticky.

Special Fire Fighting Equipment: Wear protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.) remove ignition sources. Cover spill with absorbent material such as sweeping compound or lime. Sweep up and place in an appropriate chemical waste container for disposal. This product contains the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) listed chemicals *Metallic Copper* and *Xylene* which have reportable quantities (RQ) of 1 lb. Any release of this product is reportable to the National Response Center (800-424-8802).

Emergency Telephone Number of Chemtrec: (800) 424-9300 (for transportation spills)

PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Chemical-resistant gloves such as nitrile rubber, neoprene rubber or polyvinyl chloride. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Inhalation: Use of a respirator may be appropriate when working with spills in enclosed or confined spaces. If using a respirator, wear a NIOSH approved respirator with an organic vapor (OV) cartridge or any R, P, or HE prefilter.

Other Protective Equipment: Wear coveralls over short-sleeved shirt and short pants, chemical-resistant headgear for overhead exposure, chemical-resistant apron and shoes plus socks.

WASTE DISPOSAL METHOD

Do not contaminate water, food or feed by storage or disposal of wastes. Take full or leaking containers to a local disposal company for biological treatment or incineration. Review all local, State, and Federal regulations concerning health and pollution be reviewed to determine approved disposal procedures. NEVER PLACE WASTES DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

SECTION 7. HANDLING AND STORAGE

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Keep out of reach of children. CAUTION - Contains petroleum distillates. Causes skin irritation and moderate eye irritation. Harmful if swallowed, absorbed through the skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

USER SAFETY RECOMMENDATIONS

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.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

STORAGE

Store in a cool, secure place away from fire or open flame. Open dumping is prohibited. Keep container closed and reseal after use. Product is not damaged by freezing, but should be stored at temperatures above 32° F. If spilled, use absorbent materials and dispose of in approved landfill.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PESTICIDE APPLICATORS & WORKERS

These workers must 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: None required. Use of a respirator may be appropriate when using this product in enclosed or confined spaces. If using a respirator, wear a NIOSH approved respirator with an organic vapor (OV) cartridge or any R, P, or HE prefilter.

Protective Gloves: Wear chemical resistant gloves such as Nitrile rubber, Neoprene rubber, or Polyvinyl chloride. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Eye Protection: Use proper protection - safety glasses as a minimum.

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Other Protective Equipment: Wear coveralls over short-sleeved shirt and short pants, chemical-resistant headgear for overhead exposure, chemical-resistant apron and shoes plus socks.

VENTILATION

Local Exhaust: None required.
Mechanical: None required.
Special: None required.
Other: None required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark green liquid.
Solubility in Water: Emulsifiable in water - wide range %
Viscosity: NE
Boiling Point: 200-212° F @ 760 mm Hg
pH: Neutral (1% in H₂O)

Odor: Petroleum solvent odor.
Vapor Pressure: 1.5 @ 20° C, 8.8 @ 25° C
Vapor Density: NE
Freezing/Melting Point: NE
Density: 1.006 g/ml @ 70° F

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: This material is stable under normal conditions.
Conditions to Avoid: Excessive heat.
Incompatibility (Material to Avoid): None known.
Hazardous Polymerization: Material is not known to polymerize.

HAZARDOUS DECOMPOSITION PRODUCTS

None at normal process temperature and pressures. On combustion, copper, CO₂ and water would form.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Primary: Skin **Secondary:** Ingestion **Tertiary:** Inhalation

ACUTE

Inhalation: Acute inhalation (4-hour mist) LC₅₀ > 1.45 mg/L. May cause irritation of the mucous membranes.
Skin Irritation: Moderate primary skin irritant. Primary dermal irritation index = 3.15.
Skin Absorption: Acute dermal LD₅₀ > 2000 mg/kg.
Ingestion: Oral LD₅₀ = 4000 mg/kg (rats).

CHRONIC HEALTH HAZARDS

This product contains ethylbenzene. The International Agency for Research on Cancer (IARC) has evaluated ethylbenzene and classified it as a possible human carcinogen (group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans.

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. Depending on the concentration and duration of contact, repeated or prolonged exposure to the eyes may result in symptoms as in acute exposure. Repeated or prolonged exposure may cause dermatitis. Rarely, sensitization to copper may occur. Repeated ingestion of copper salts may result in anemia, liver and kidney damage.

SPECIAL HEALTH EFFECTS

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

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY

Test Type	Species	Value
Aquatic EC50	Pinfish	4.9 ppm @ 24 hrs; 1.8 ppm @ 48 hrs.

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

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal.

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 plastic containers by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Waste 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.

SECTION 14. TRANSPORT INFORMATION

SHIPMENT BY GROUND WITHIN U.S. (DOT CLASSIFICATION)

Proper Shipping Description: Flammable liquids, n.o.s. (1,2,4-trimethylbenzene, xylene), 3, UN 1993, PG III
Package Marking: "Flammable liquids, n.o.s. (1,2,4-trimethylbenzene, xylene), 3, UN 1993, PG III"
Package Labeling: Label as "Flammable Liquid" (class 9).
Certified Packaging: Required.

SHIPMENT BY AIR (IATA CLASSIFICATION)

Proper Shipping Description: Flammable liquids, n.o.s. (1,2,4-trimethylbenzene, xylene), 3, UN 1993, PG III
Package Marking: "Flammable liquids, n.o.s. (1,2,4-trimethylbenzene, xylene), 3, UN 1993, PG III"
Package Labeling: Label as "Flammable Liquid" (class 9).
Certified Packaging: Required.

SHIPMENT BY WATER (IMDG CLASSIFICATION)

Proper Shipping Description: Flammable liquids, n.o.s. (1,2,4-trimethylbenzene, xylene), 3, UN 1993, PG III
Package Marking: "Flammable liquids, n.o.s. (1,2,4-trimethylbenzene, xylene), 3, UN 1993, PG III"
Package Labeling: Label as "Flammable Liquid" (class 9).
Certified Packaging: Required.

SECTION 15. REGULATORY INFORMATION

CERCLA

This product contains the CERCLA listed chemicals *Metallic Copper* and *Xylene* which have reportable quantities (RQ) of 1 lb.

SARA TITLE III SECTION 311/312 HAZARD CLASS

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

Acute Health Hazard
Fire Hazard

SARA TITLE III SECTION 313 CHEMICALS

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

Metallic Copper (CAS #61789-22-8)
Xylene (CAS #1330-20-7)

TSCA

All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

SECTION 16. OTHER INFORMATION

NFPA HEALTH RATING INFORMATION

HEALTH - 2 FLAMMABILITY - 2 REACTIVITY - 0

NFPA HEALTH RATING INFORMATION

HEALTH - 2 FLAMMABILITY - 2 REACTIVITY - 0

KEY:	4 = Severe
	3 = Serious
	2 = Moderate
	1 = Slight
	0 = Minimal

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

Questions concerning the safe handling of the product should be referred to the Whitmire Micro-Gen Customer Service Department at 800-777-8570.

NA - Not Applicable
NE - Not Established
PEL - Permissible Exposure Limit
TLV - Threshold Limit Value
STEL - Short Term Exposure Limit (15 min.)
TWA - Time Weighted Average (8 hrs.)



WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.

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