

MATERIAL SAFETY DATA SHEET

MONTEREY FUNGI-FIGHTER

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Issue Date: 06/06

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

MONTEREY FUNGI-FIGHTER

EPA Reg. No. 100-773-54705

Common Name: Liquid Triazole derivative fungicide.

Chemical Description: Propiconazole.

TSCA/CAS No.: This product is a mixture – there is no specific CAS No.

Manufactured For

Lawn and Garden Products, Inc.

P. O. Box 35000

Fresno, CA 93745-5000

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 994-9144

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

SECTION 2. INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Propiconazole	60207-90-1	1.55	*N.E.	*N.P.

* N.E. - Not Established.

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Clear yellow-amber liquid with latex smell. Exposure to eyes can cause substantial but temporary eye irritation. Product is toxic to fish. Not D.O.T. regulated.

HEALTH: 2 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 0
(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

SECTION 4. FIRST AID

- Eyes: Immediately rinse eyes with a large amount of running water. Hold eyelids apart to rinse the entire surface of the eyes and lids. Do not apply any medicating agents except on the advice of a physician.
- Skin: Wash with plenty of soap and water, including hair and under fingernails. Do not apply any medicating agents except on the advice of a physician. Remove contaminated clothing and decontaminate prior to use.
- Ingestion: Do not induce vomiting. Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. 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.

NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically. Do not induce emesis.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	> 200°F
Test Method:	Pensky-Martens CC
LEL Flammable Limits:	Not determined.
UEL Flammable Limits:	Not determined.
Autoignition Temperature:	Not determined.
Flammability Classification:	Not applicable.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	Not available.
Extinguishing Media:	Dry chemical, foam or CO ₂ extinguishing media.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in original container only in a cool, well-ventilated, dry place at temperatures above 40°F. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Causes substantial but temporary eye injury. Do not get in eyes. Wear goggles or safety glasses. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not allow people or pets to contact treated areas until spray is dry.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Wear rubber gloves, long-sleeved shirt and long pants.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Clear yellow-amber liquid.
Odor:	Similar to latex.
pH:	6 – 9.5 (1% solution in H ₂ O at 25°C)
Vapor Pressure:	For Propiconazole – 1.30E-04 Pa @ 20°C

SECTION 9. PHYSICAL AND CHEMICAL DATA (Continued)

Vapor Density (Air = 1):	Not available.
Boiling Point:	212°F (100°C).
Freezing Point:	Not available.
Water Solubility:	Propiconazole – 0.100 g/L @ 20°C
Density:	8.42 lbs./gal (Specific Gravity -1.01 g/cm ³)
Evaporation Rate:	Not determined.
Viscosity:	Not available.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable under standard conditions.
Conditions To Avoid:	None known.
Incompatibility:	None known.
Hazardous Decomposition Products:	None known.
Hazardous Polymerization:	Not known to occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Moderately irritating.
Skin:	Non-irritating. LD ₅₀ (Rabbit) > 2,020 mg/kg.
Ingestion:	Low toxicity if swallowed. The oral LD ₅₀ for rats is >4,340 mg/kg.
Inhalation:	Low irritation. The LC ₅₀ for rats is >2.6 mg/L for 4 hours (limit test).
Chronic/Subchronic:	Propiconazole: None observed.
Mutagenic Potential:	Propiconazole: None observed.
Reproductive Hazard Potential:	Propiconazole: None observed.
Target Organs:	Propiconazole: Liver.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Highly toxic fish.
Toxicity to Plants:	Not known.
Toxicity in Birds:	Bobwhite Oral LD ₅₀ 2,825 mg/kg. Mallard Oral LD ₅₀ >2,510 mg/kg. Bobwhite 8-day Dietary LC ₅₀ >5,620 ppm. Mallard 8-day Dietary LC ₅₀ >5,620.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local waste disposal regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

SECTION 14. TRANSPORTATION

D.O.T.:	Not D.O.T. Regulated.
Other Shipping Description:	Insecticides and Fungicides, Liquid. NMFC Item 102120, LTL Class 60

SECTION 15. REGULATORY INFORMATION
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CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: Propiconazole (1.55%)

PROPOSITION 65 (CA): None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.