

T-Methyl E-Pro Granular

Fungicide

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: T-Methyl E-Pro Granular Fungicide
Active Ingredient: Thiophanate-methyl
Chemical Formula: C₁₂H₁₄N₄O₄S₂
Product Description: Granular systemic fungicide for ornamental plants and turf.

COMPANY IDENTIFICATION:

Etigra
501 Cascade Pointe Lane, Suite 103
Cary, NC 27513
www.etigra.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Thiophanate-methyl	CAS No. 23564-05-8	2.08%
Other Ingredients		97.92%

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

POTENTIAL HEALTH EFFECTS:

EYES: May cause transient eye irritation.

SKIN: Non-irritating

INHALATION: Excessive inhalation of dust may cause irritation and coughing.

CHRONIC: Irritation of eyes, nose and throat, dermatitis, headache and nausea.

4. FIRST AID

IF IN EYES: Hold eye 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 eye. Call a poison control center or doctor for treatment advice.

5. FIRE-FIGHTING MEASURES

Flash Point (Method): Not flammable

Flammable Limits: N/A

Fire and Explosion Hazard: None

Means of Extinguishing: Use means suitable for extinguishing surrounding fire.

Fire-Fighting Instructions: Wear NIOSH approved self-contained breathing apparatus with full-facepiece operated in the pressure/demand mode.

Hazardous Combustion Products: Toxic oxides of carbon, sulfur and nitrogen.

NFPA Codes: Health: 1 Fire: 0 Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

Sweep up and dispose of in compliance with all Federal, state and local laws.

7. HANDLING AND STORAGE

HANDLING: Wash hands before eating, drinking, chewing gum, using tobacco or using toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing.

STORAGE: Store in original container in a dry, temperature controlled area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur.

OSHA PEL: None

ACGIH TLV: None

Manufactured for:

Etigra

501 Cascade Pointe Lane, Suite 103

Cary, NC 27513

www.etigra.com

REV 0506

Etigra

Emergency Phone: Chemtrec 800-424-9300

Effective Date:

EPA Reg. No. 79676-18


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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: None required for routine outdoor use. A local exhaust system, which captures the contaminant at its source, is recommended to prevent dispersion of the contaminant into the workroom air.

PERSONAL PROTECTIVE EQUIPMENT:

When preparing or applying this product, refer to the product label for specific PPE instructions.

Eyes and Face: Chemical goggles or safety glasses with side shields recommended.

Skin: Long-sleeved shirt and long pants or coveralls, chemical resistant (Category A) gloves, and shoes plus socks.

Respiratory Protection: None required for routine outdoor use. For exposures in enclosed areas, a dust mask or OSHA approved respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white granules

Odor: Faint sulfur odor

pH: 5.11

Density (Pour): 0.469 g/mL

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Extreme heat. Contact with strong oxidizers, acids, bases, and salt suspensions.

CHEMICAL STABILITY: Stable

CHEMICAL INCOMPATIBILITY: Strong oxidizers, highly alkaline materials, lime sulfur, bordeaux mixture, copper compounds.

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY

Oral LD₅₀ (rat): > 5000 mg/kg

ACUTE DERMAL TOXICITY

Dermal LD₅₀ (rat): > 5000 mg/kg

ACUTE INHALATION TOXICITY

Inhalation LC₅₀ (rat): > 2.11 mg/L

EYE IRRITATION

Rabbit: Mildly irritating

SKIN IRRITATION

Rabbit: Slightly irritating

DERMAL SENSITIZATION

Guinea pig: Not a contact sensitizer

CARCINOGENICITY:

IARC: Not listed

NTP: Not listed

OSHA: Not listed

OTHER: (ACGIH) Not listed

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL INFORMATION: This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water by disposing of equipment washwaters.

ECOTOXICOLOGICAL INFORMATION: The following ecotoxicity values were obtained for the active ingredient:

FISH TOXICITY

96 hour LC₅₀ (Trout): 8.3 ppm

48 hour LC₅₀ (Daphnia): 5.4 ppm

96 hour LC₅₀ (Sheepshead minnow): 17 ppm

96 hour LC₅₀ (Mysid shrimp): 1.1 ppm

AVIAN TOXICITY

Dietary LC₅₀ (Mallard): > 10,000 ppm

13. DISPOSAL CONSIDERATIONS

NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

DOT HAZARD CLASS OR DIVISION: Not Regulated

U.S. DOT PROPER SHIPPING NAME: N/A

UN NUMBER: N/A

DOT PACKING GROUP: N/A

REPORTABLE QUANTITY: None

MARINE POLLUTANT: Not listed

U.S. SURFACE FREIGHT CLASS: Agricultural Fungicides, Solid, NOIBN

15. REGULATORY INFORMATION

FIFRA –

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

CERCLA REPORTABLE QUANTITY –

Thiophanate-methyl: 1 lb.

SARA Title III – Section 302 Extremely Hazardous Substances
Not listed

SARA Title III – Section 311 Hazard Categories
Immediate

SARA Title III – Section 312 Threshold Planning Quantity
The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients
Thiophanate-methyl (23564-05-8)

CALIFORNIA PROP 65 STATUS –

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

16. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

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