

# 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:** C<sub>12</sub>H<sub>14</sub>N<sub>4</sub>O<sub>4</sub>S<sub>2</sub>  
**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

  
ETIGRA™

## 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 LD<sub>50</sub> (rat): > 5000 mg/kg

### ACUTE DERMAL TOXICITY

Dermal LD<sub>50</sub> (rat): > 5000 mg/kg

### ACUTE INHALATION TOXICITY

Inhalation LC<sub>50</sub> (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 LC<sub>50</sub> (Trout): 8.3 ppm

48 hour LC<sub>50</sub> (Daphnia): 5.4 ppm

96 hour LC<sub>50</sub> (Sheepshead minnow): 17 ppm

96 hour LC<sub>50</sub> (Mysid shrimp): 1.1 ppm

### AVIAN TOXICITY

Dietary LC<sub>50</sub> (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.

## DISCLAIMER:

Etigra believes the information and recommendations provided above to be accurate. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided above relates only to the specific product designated and may not be applicable where such product is used in combination with any other materials or in any process. Use of this product is regulated by the U.S. Environmental Protection Agency (EPA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Additionally, as the conditions and methods of use are beyond the control of Etigra, Etigra expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

Etigra™ is a trademark of Etigra.