



# Safety Data Sheet

Report Date 18-Mar-15

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## 1. Identification

**Product Name** : Helena T-Methyl 50 WSB - T&O  
**Synonyms** : None  
**Product Use** : Thiophanate-methyl Fungicide in water soluble bags  
**Manufacturer/Supplier** : Helena Chemical Company  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

## 2. Hazard Identification

**Signal Word** : Warning (no symbol)  
**Skin Irritation** : Slightly irritating  
**Eye Irritation** : Minimally irritating  
**Acute Toxicity Oral** : LD50 >5,000 mg/kg (rat)  
**Acute Toxicity Dermal** : LD50 >5,050 mg/kg (rat)

**Hazard Categories** : Eye Irritation - 2B; Skin Irritation - 3; Oral/Dermal/Inhalation Toxicity - 5/5/5

**Hazard Statement** : May be harmful if swallowed  
May be harmful in contact with skin  
Causes eye irritation  
Causes mild skin irritation  
May be harmful if inhaled

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Thiophanate-methyl	23564-05-8	50.0
Kaolin Clay	1332-58-7	<45.0
Other ingredients	Nonhazardous	>5.0

## 4. First Aid Measures

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

**Skin** : Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a doctor or poison control center if you feel unwell or if skin irritation occurs.

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

**Ingestion** : Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.

**Indication of Immediate Medical Attention and Special Treatment Needed** : Treat symptomatically.

## 5. Fire Fighting Measures

**Extinguishing Media** : Use water fog, foam, dry chemical or carbon dioxide extinguishing agents.



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- Specific Hazards Arising from the Chemical** : Thermal decomposition may produce toxic fumes including oxides of carbon, nitrogen and sulfur.
- Special Fire Fight Proc** : Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water/firefighting water; do not allow to enter drains or waterways. Wear self-contained positive pressure breathing apparatus and full bunker gear

### 6. Accidental Release Measures

- Personal Precautions** : Isolate area and keep unnecessary and unprotected personnel from entering spill area.
- Protective Equipment** : Chemical-resistant gloves, long-sleeved shirt and long pants, shoes and socks. Emergency shower and eyewash should be available in work area.
- Emergency Procedures** : Avoid creating dust during cleanup. Control spill at its source and prevent material from entering soil, sewers, waterways or low areas. Large spills to soil or similar surfaces may require removal and disposal of topsoil.
- Methods and Materials for Containment and Cleanup** : Sweep, scoop or shovel spilled material and place in suitable closed containers for disposal. Spill area can be washed with water to decontaminate. Collect wash water and place in containers for disposal. Decontaminate tools and equipment following cleanup.

### 7. Handling and Storage

- Precautions for Safe Handling** : Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Conditions for Safe Storage** : Store this product in a cool, dry location in the original container only. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found
- Appropriate Engineering Controls** : Local exhaust should be sufficient.
- Personal Protective Equipment** : Chemical-resistant gloves, long-sleeved shirt and long pants, shoes and socks. Emergency shower and eyewash should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Off-white powder with faint sulfur odor.
- Flash Point, °F** : Not flammable
- Boiling Point, °F** : No information found
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : No information found
- Vapor Density** : No information found
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 21 lbs/cu ft (bulk density)
- Evaporation Rate(Butyl Acetate = 1)** : Not applicable
- Octanol/Water Partition Coefficient** : No information found



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pH : 7.5-8.5  
Flammable Limits (approximate volume % in air) : No information found  
Auto-ignition Temperature : No information found  
Decomposition temperature : No information found

### 10. Stability and Reactivity

Reactivity : No information found  
Chemical Stability : Stable  
Hazardous Decomposition Products : When thermally decomposed, may release oxides of carbon, nitrogen and sulfur.  
Hazardous Polymerization : Will not occur  
Conditions to Avoid : Excessive heat, do not store near heat or flame.  
Incompatible Materials : Strong oxidizing agents.

### 11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/kg (rat)  
Acute Toxicity (Dermal LD50) : >5,050 mg/kg (rat)  
Acute Toxicity Inhalation LC50 : >2.32 mg/L/4 hour (rat)  
Likely Routes of Exposure : Skin, eyes, inhalation  
Skin Irritation : Slightly irritating  
Eye Irritation : Minimally irritating  
Skin Sensitization : Not a contact sensitizer  
Carcinogenic : Not listed by IARC, NTP or OSHA.  
Chronic Effects : No information found.  
Other Hazards : CA Prop 65: this product contains a chemical known to the state of California to cause cancer and birth defects or reproductive harm: thiophanate-methyl.

### 12. Ecological Information

Ecotoxicity : Runoff may be hazardous to aquatic organisms. Do not contaminate water when disposing of equipment wash water or rinsate.  
Persistence and Degradability : No information found  
Bioaccumulative Potential : No information found  
Mobility in Soil : No information found  
Other Adverse Effects : No information found

### 13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

### 14. Transport Information

UN Proper Shipping Name : Not regulated by DOT in containers <14 pounds. If >= 14 pounds and <882 pounds, ship as RQ, Environmentally Hazardous Substance, Solid, n.o.s. (Thiophanate-methyl)  
Transport Hazard Class : Class 9 (>= 14 lbs)  
UN Identification Number : UN3077 (>= 14 lbs)



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**Packaging Group** : PG III (>= 14 lbs)  
**Environmental Hazards** : Marine pollutant per EU standards  
**Transport in Bulk** : >= 882 pounds, add Marine Pollutant  
**Special Precautions for Transportation** : No information found  
**Freight Classification** : Pesticides, NOI, Fungicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

## 15. Regulatory Information

**National Fire Protection Association Rating** :

Health: 1      Fire: 0      Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

**S.A.R.A Title III Hazard Classification (Yes/No)** :

Immediate( Acute) Health: Y  
Delayed (Chronic) Health: N  
Sudden Release of Pressure: N  
Fire: N  
Reactive: N

**FIFRA Information** : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Registration Number** : 87373-5-5905

**FIFRA Signal Word** : Caution

**FIFRA Label Statement** : Causes moderate eye irritation.

**FIFRA Label Statement** : Avoid contact with eyes or clothing.

**FIFRA Label Statement** : Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum,

**FIFRA Label Statement** : using tobacco or using the toilet.

**FIFRA Label Statement** : No additional label statements.

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## 16. Other Information

**Data of Preparation/Revision** : 18-March-2015