

TALARIS™

4.5 F

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

1. IDENTIFICATION

PRODUCT NAME: Talaris™ 4.5 F
EPA REGISTRATION NUMBER: 87373-10-91234
DESCRIPTION: A liquid fungicide
COMPANY IDENTIFICATION: **Atticus, LLC**
5000 CentreGreen Way, Suite 100
Cary, NC 27513
Business Phone: (984) 465-4754
www.AtticusLLC.com

2. HAZARDS IDENTIFICATION



DANGER
May damage fertility or the unborn child (H360)
Causes mild skin irritation (H316)



Very toxic to aquatic life (H400)

HAZARD CLASSIFICATION

Health Hazards	Category 1B
Reproductive Toxicity	3
Skin/Corrosion/Irritation	Category 3
Physical Hazards	Category --
None	Category --
Environmental Hazards	Category 1
Hazardous to the Aquatic Environment – Acute (short-term)	1

HAZARDS NOT REQUIRING CLASSIFICATION

None

PRECAUTIONARY STATEMENTS

Do not handle until all safety precautions have been read and understood. (P202)

Wear protective clothing as described in Section 8 of this document. (P380)

If skin irritation occurs: Get medical advice or attention. (P332+ P313)

If exposed or concerned: Get medical advice or attention. (P308+P313)

Avoid release to the environment not in accordance with the product label. Collect spillage. (P273+P391)

Store locked up. (P405)

Dispose of contents / container using instructions in the product label and in accordance with local / Federal regulations. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Thiophanate-Methyl	(Dimethyl [(1,2-phenylene) bis-(iminocarbonothioyl)] bis[Carbamate])	23564-05-8	46.2%
Propylene Glycol		57-55-6	< 10%

NOTE: Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact **1-844-685-9172** for emergency medical treatment information.

IF ON SKIN OR CLOTHING: 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.

5. FIRE -FIGHTING MEASURES

FLASH POINT: Not combustible (aqueous formulation).

FIRE AND EXPLOSION HAZARDS: Thermal decomposition may produce toxic fumes (see Section 10).

EXTINGUISHING MEDIUM: Water fog, foam, dry chemical or carbon dioxide (CO₂).

FIRE FIGHTING EQUIPMENT: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

FIRE FIGHTING INSTRUCTIONS: 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. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

NFPA RATINGS: Health – 1 / Flammability – 1 / Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

ENVIRONMENTAL PRECAUTIONS: Control spill at the 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. Contain contaminated water / firefighting water.

SPILL CLEANUP: Pump free liquid into suitable closed containers for disposal. After decontamination, spill area can be washed with water. Collect washwater for approved disposal. Decontaminate tools and equipment following cleanup.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. 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.

STORAGE: Store in the original container in a dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, absorb with sand or other inert material and dispose of absorbent in accordance with the instructions in Section 13.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

PROTECTIVE CLOTHING: Wear long-sleeved shirt, long pants, shoes, socks, chemical-resistant gloves made of any waterproof material, and a chemical resistant apron when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	off-white liquid
Odor:	faint sulfur
Melting/freezing point:	not determined
Boiling point/Boiling range:	not determined
Flammability:	not determined
Flammability limits (upper/lower):	not determined
Flash point:	> 94°C (201.2°F)
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH:	5.5-6.0
Kinematic viscosity:	not determined
Solubility:	dispersible
Partition coefficient:	not determined
Vapor pressure:	not determined
Density:	1.197 g/mL (9.99 lbs/gal)
Vapor Density:	not determined
Relative vapor density:	not determined
Particle characteristics:	not determined

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Excessive heat.

CHEMICAL STABILITY: Stable under all normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated. When thermally decomposed, may release oxides of carbon, nitrogen and sulfur.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (RAT LD₅₀):	> 5,000 mg/kg		
DERMAL TOXICITY (RAT LD₅₀):	> 5,050 mg/kg		
INHALATION TOXICITY (RAT LC₅₀):	> 2.17 mg/L (4-hour)		
EYE IRRITATION:	Practically non-irritating		
SKIN IRRITATION:	Slightly irritating		
SKIN SENSITIZATION:	Not a contact sensitizer		
CARCINOGENICITY:			
EPA:	Not Listed	NTP:	Not Listed
ACGIH:	Not Listed	OSHA:	Not Listed
IARC:	Not Listed		

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

REPRODUCTIVE TOXICITY: Thiophanate-methyl is a known reproductive toxicant.

12. ECOLOGICAL INFORMATION

Runoff may be hazardous to aquatic organisms. Do not contaminate water when disposing of equipment washwater or rinsate.

The following information is for the active ingredient, Thiophanate-methyl:

AQUATIC TOXICITY

Bluegill (96-hour LC₅₀): > 41 ppm
Rainbow Trout (96-hour LC₅₀): 8.3 ppm
Daphnia (48-hour EC₅₀): 5.4 ppm
Mysid (96-hour LC₅₀): 1.1 ppm
Highly toxic to catfish

AVIAN TOXICITY

Bobwhite Quail (LC₅₀): > 10,000 ppm
Mallard Duck (LD₅₀): 4,640 mg/kg

OTHER TOXICITY

Honey Bee (LD₅₀): > 100 µg/bee

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: DO NOT contaminate water, food or feed by 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 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.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions

14. TRANSPORT INFORMATION

US DOT :

Containers ≤ 2.2 gal. (8.3 L): Not regulated

Containers > 2.2 gal. (8.3 L):

Shipping Description: UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S (thiophanatemethyl), 9, PG III

RQ: 10 lbs. (2.2 gal. of product)

IMDG:

Containers ≤ 1.3 gal. (5 L) in strong outer packaging: Not regulated

Containers > 1.3 gal. (5 L) or containers not in strong outer packaging: Shipped internationally by vessel: UN3082, Environmentally hazardous substance, liquid, N.O.S. (thiophanate-methyl), 9, PG III, Marine Pollutant

IATA:

Containers ≤ 1.3 gal. (5 L) in strong outer packaging: Not regulated

Containers > 1.3 gal. (5 L) or containers not in strong outer packaging: Shipments by air: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains thiophanate-methyl), 9, PG III, Marine Pollutant

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

FIFRA: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling 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. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist.

Environmental Hazards

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 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 (46.2%) – CAS No. 23564-05-8

CERCLA Reportable Quantity (RQ) –

Thiophanate-methyl: 10 lbs. (2.2 gallons of this product)

CALIFORNIA PROP 65 STATUS –

⚠ WARNING: This product can expose you to thiophanate-methyl, which is known to the State of California to cause reproductive harm. For more information go to www.P65Warnings.ca.gov.

CANADA –

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

16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 2.1

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