

TALARIS[™]

4.5 F

SAFETY DATA SHEET

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

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.

Use, storage and disposal of fungicide products is regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling. All necessary and appropriate precautionary, use, and storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a fungicide product in any manner not prescribed on the EPA-approved label.

1. CHEMICAL PRODUCT AND COMPANY 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

EMERGENCY TELEPHONE NUMBERS

HEALTH EMERGENCY OR SPILL (24 HR.): 1-844-685-9173
TRANSPORTATION (24 HR.): CHEMTREC 1-800-424-9300
CCN712313 OR 1-703-527-3887

2. HAZARDS IDENTIFICATION

WARNING

- May be harmful if swallowed
- May be harmful in contact with skin
- May be harmful if inhaled
- Causes eye irritation

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%

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 call 1-844-685-9173 for emergency medical treatment information.

IF SWALLOWED: Call a doctor or poison control center if you feel unwell.

IF ON SKIN OR CLOTHING: Call a doctor or poison control center if you feel unwell.

IF INHALED: Call a doctor or poison control center if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, and continue rinsing. If eye irritation persists get medical advice / attention.

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

PHYSICAL STATE:	Off-white liquid
ODOR:	Faint sulfur
FLASHPOINT:	> 94°C
PH:	5.5 – 6.0
BULK DENSITY:	1.118 g/ml (9.75 lbs/gal)
SOLUBILITY:	Dispersible

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: Not known to cause reproductive or birth defects at normal exposure levels.

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 LC ₅₀):	> 41 ppm
Rainbow Trout (96-hour LC ₅₀):	8.3 ppm
Daphnia (48-hour EC ₅₀):	5.4 ppm
Mysid (96-hour LC ₅₀):	1.1 ppm

AVIAN TOXICITY

Bobwhite Quail (LC ₅₀):	> 10,000 ppm
Mallard Duck (LD ₅₀):	4,640 mg/kg

OTHER TOXICITY

Honey Bee (LD ₅₀):	> 100 µg/bee
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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 Gallons: Not regulated by DOT.

Containers ≥ 2 Gallons and < 119 Gallons: UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S (thiophanatemethyl), 9, III, RQ
Marine Pollutant: No

Containers ≥ 119 Gallons: UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S (thiophanate-methyl), 9, III, RQ, Marine Pollutant
Marine Pollutant: Yes

IMDG: UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S (thiophanate-methyl), 9, III, Marine Pollutant

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

KEEP OUT OF REACH OF CHILDREN. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

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 –

This product contains a chemical (thiophanate-methyl) known to the state of California to cause cancer or reproductive harm.

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

EPA REGISTRATION NUMBER: 87373-10-91234

EFFECTIVE DATE: 1/12/2015

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