

# TALARIS<sup>®</sup>

## XL

## SAFETY DATA SHEET

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

### 1. IDENTIFICATION

**PRODUCT NAME:** Talaris XL  
**DESCRIPTION:** Liquid fungicide  
**EPA REG. NO.:** 91234-35  
**COMPANY IDENTIFICATION:** Atticus, LLC  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

### 2. HAZARD IDENTIFICATION



**DANGER**

May damage fertility or the unborn child (H360D)

May be harmful if swallowed (H303)



Very toxic to aquatic life with long lasting effects (H410)

#### GHS Toxicity Classifications

Reproductive toxicity Cat. 1B  
Hazardous to the aquatic environment, long-term hazard Cat. 1  
Acute toxicity, oral Cat. 5

#### Prevention

Obtain special instructions before use. (P201)  
Do not handle until all safety precautions have been read and understood. (P202)  
Wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, and chemical-resistant apron. (P280)  
Avoid release to the environment. (P273)

#### Response

IF exposed or concerned: Get medical advice/attention. (P308 + P313)  
Collect spillage. (P391)  
Call a POISON CENTER or doctor if you feel unwell. (P312)

#### Storage

Store locked up. (P405)

#### Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Thiophanate-methyl	(dimethyl[[[(1,2-phenylene)-bis(iminocarbonothioyl)]bis(carbomate)])	23564-05-8	23.7%
Propiconazole	1-[[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole	60207-90-1	7.1%

### 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 CHEMTREC at 1-800-424-9300 for emergency medical treatment information.

**IF SWALLOWED:** Call a poison control center or doctor for treatment advice if you feel unwell.

### 5. FIREFIGHTING MEASURES

**Flash Point:** >100°C (>212°F)

**Flammable Limits (LFL-UFL):** Not applicable

**Fire and Explosion Hazards:** If water is used to fight fire, contain runoff by using dikes to prevent contamination of water supplies.

**Extinguishing Medium:** Dry chemical or carbon dioxide (CO<sub>2</sub>) for small fires. Foam or water spray recommended for large fires.

**Hazardous Combustion Products:** May include but are not limited to hydrogen chloride and oxides of nitrogen and carbon.

**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. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

**NFPA Ratings:** Health – 2 / 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:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Spill Cleanup:** Dike spill using suitable absorbent or impervious materials such as earth, sand, or clay. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following cleanup. Collect washings for disposal.

## 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.

**Storage:** Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

**Protective Clothing:** Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves (including nitrile or butyl rubber  $\geq 14$  mils), protective eyewear, and chemical-resistant apron.

**General:** Remove and wash contaminated clothing before reuse. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Off-white viscous liquid

**Odor:** faint

**Flashpoint:** Not applicable

**pH:** 6.2

**Specific Gravity:** 1.138 g/mL

**Solubility:** Soluble

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Excessive heat or open flame.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated. Thermal decomposition can lead to the formation of noxious and toxic fumes.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** 3,129 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 5,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 2.08 mg/L (4-hour)

**EYE IRRITATION:** Minimally irritating

**SKIN IRRITATION:** Slightly irritating

**SKIN SENSITIZATION:** Not a contact sensitizer

**CARCINOGENICITY:**

**EPA:** Not Listed

**ACGIH:** Not Listed      **NTP:** Not Listed

**IARC:** Not Listed      **OSHA:** 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

This product is toxic to fish and shrimp.

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

**AQUATIC TOXICITY**

Rainbow Trout (96-hour LC<sub>50</sub>): 7.8 mg/L

Daphnia (48-hour LC<sub>50</sub>): 20.2 mg/L

Algae (96-hr EC<sub>50</sub>): 0.8 mg/L

**AVIAN TOXICITY**

Japanese quail (oral LD<sub>50</sub>): > 5,000 mg/kg

**OTHER TOXICITY**

Honey Bee (oral LD<sub>50</sub>): > 100 µg/bee (not toxic to bees)

**The following information is for the active ingredient, propiconazole:**

**AQUATIC TOXICITY**

Rainbow Trout (96-hour LC<sub>50</sub>): 4.3-5.3 mg/L, Bluegill (96-hour LC<sub>50</sub>): 6.4 mg/L

Daphnia (48-hour EC<sub>50</sub>): 10.2 mg/L

Algae (96-hr EC<sub>50</sub>): 0.76 mg/L

**AVIAN TOXICITY**

Bobwhite quail (oral LD<sub>50</sub>): 2,825 mg/kg, Mallard Duck (oral LD<sub>50</sub>): > 5,620 mg/kg

**OTHER TOXICITY**

Not toxic to bees.

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use 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 (shipped by land):**

**Containers ≤ 4.4 gals. (3.785 L):** Not regulated

**Containers > 4.4 gals. (3.785 L) and ≤ 119 gals. (450 L):**

DOT Shipping Name: UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Thiophanate-methyl, Propiconazole), 9, PG III

Emergency Response Guide: 171

RQ: 10 lbs. (4.44 gallons of this product)

Marine Pollutant: No

**Containers > 119 gals. (450 L):**

DOT Shipping Name: UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Thiophanate-methyl, Propiconazole), 9, PG III

Emergency Response Guide: 171

RQ: 10 lbs. (4.44 gallons of this product)

Marine Pollutant: Yes

**IMDG (shipped by vessel):**

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Thiophanate-methyl, Propiconazole), 9, PG III, Marine Pollutant

**IATA (shipped by air):**

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Thiophanate-methyl, Propiconazole), 9, PG III

## 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. Harmful if inhaled. Harmful if absorbed through skin. Causes moderate eye irritation. 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.

##### ENVIRONMENTAL HAZARDS

This product is toxic to fish and shrimp. 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 contaminate water when cleaning equipment, or disposing of equipment wash waters or rinsate. Refer to product labeling for use restrictions to protect endangered species.

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, Delayed

### 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 (CAS No. 23564-05-8): 23.7%

Propiconazole (CAS No. 60207-90-1): 7.1%

### CERCLA Reportable Quantity (RQ) -

Thiophanate-methyl (CAS No. 23564-05-8): 10 lbs. (4.4 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](http://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: 1.0

Effective Date: 11/10/2017