

# TALARIS<sup>™</sup>

# XL

## SAFETY DATA SHEET

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

### 1. IDENTIFICATION

**PRODUCT NAME:** Talaris<sup>™</sup> 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 (H360)

May cause an allergic reaction (H317)

May be harmful if swallowed (H303)

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



#### HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Reproductive toxicity	1	None	--
Sensitization-skin	1		
Acute toxicity, oral	5	Environmental Hazards	Category
		Hazardous to the Aquatic Environment – Acute (short-term)	1
		Hazardous to the Aquatic Environment – Chronic (long-term)	1

#### HAZARDS NOT REQUIRING CLASSIFICATION

Do not mix or allow to come into contact with oxidizing agents. Hazardous chemical reaction may occur.

#### PRECAUTIONARY STATEMENTS

Obtain, read and follow all safety instructions before use. Avoid breath spray/mist/vapors. Contaminated work clothing should not be allowed out of the workplace. Wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, and chemical-resistant apron. (P203+261+P272+P280)

IF exposed or concerned, Get medical advice. (P318)

**IF ON SKIN:** Wash with plenty of water. **If skin irritation or rash occurs:** Get medical help. Specific treatment (see First Aid on label). Take off contaminated clothing and wash it before reuse. (P302+P352+P333+P317+P321+P362+P364)

**IF SWALLOWED:** Get medical help. (P301+P317)

Store locked up. (P405)

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

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(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%

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

**IF SWALLOWED:** 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

### 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 un-protected 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. Wear protective eyewear including goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**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

<b>Appearance:</b>	Off-white viscous liquid
<b>Odor:</b>	faint
<b>Melting/freezing point:</b>	not determined
<b>Boiling point/Boiling range:</b>	not determined
<b>Flammability:</b>	not determined
<b>Flammability limits (upper/lower):</b>	not determined
<b>Flash point:</b>	not determined
<b>Auto-ignition temperature:</b>	not determined
<b>Decomposition temperature:</b>	not determined
<b>pH:</b>	6-7
<b>Kinematic viscosity:</b>	not determined
<b>Solubility:</b>	soluble
<b>Partition coefficient:</b>	not determined
<b>Vapor pressure:</b>	not determined
<b>Specific Gravity:</b>	1.138 g/mL
<b>Vapor Density:</b>	not determined
<b>Relative vapor density:</b>	not determined
<b>Particle characteristics:</b>	not determined

## 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:** Positive contact sensitizer.

**CARCINOGENICITY:**

**EPA:** Group C: Possible human carcinogen (propiconazole)

**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>): 11.0 mg/L

Bluegill Sunfish (96-hour LC<sub>50</sub>): 41.0 mg/L

Daphnia (48-hour EC<sub>50</sub>): 5.4 mg/L (estimated)

Mysid (96-hour LC<sub>50</sub>): 1.1mg/L (estimated)

Algae (96-hr EC<sub>50</sub>): 0.93 mg/L; (NOAEC): 0.43 mg/L

**AVIAN TOXICITY**

Bobwhite Quail (LC<sub>50</sub>): > 10,000 mg/kg-diet

Mallard Duck (LD<sub>50</sub>): 4,640 mg/kg

**OTHER TOXICITY**

Honey Bee (48-hour LD<sub>50</sub>): > 100 µg/bee

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

**AQUATIC TOXICITY**

Rainbow Trout (LC<sub>50</sub>): 0.85 mg/L

Fathead Minnow (NOAEC): 0.095 mg/L

Daphnia (EC<sub>50</sub>): 1.3 mg/L; (NOAEC): 0.180 mg/L

Algae (EC<sub>50</sub>): 0.021 mg/L

**AVIAN TOXICITY**

Bobwhite Quail (LD<sub>50</sub>): 2,825 mg/kg

Mallard Duck (LD<sub>50</sub>): >2,510 mg/kg

## 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:

**Containers ≤ 4.4 gal. (3.785 L):**

Not regulated

**Containers > 4.4 gal. (3.785 L):**

Shipping Description: UN3082, Environmentally hazardous substance, liquid, N.O.S. (thiophanate-methyl), 9, PG III  
RQ: 10 lbs. (4.44 gal. of product)

### IMDG:

Shipped internationally by vessel: UN3082, Environmentally hazardous substance, liquid, N.O.S. (thiophanate-methyl), 9, PG III, Marine Pollutant, RQ

### IATA:

Shipments by air: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains thiophanate-methyl), 9, PG III, Marine Pollutant, RQ

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. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear including goggles, face shield, or safety glasses. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

#### 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.

## PHYSICAL HAZARDS

Do not mix or allow to come into contact with oxidizing agents. Hazardous chemical reaction may occur.

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: 2.0

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