

# ESCHATON™

## 5 WDG

### SAFETY DATA SHEET

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

#### 1. IDENTIFICATION

**PRODUCT NAME:** Eschaton 5 WDG  
**DESCRIPTION:** Commercial miticide/ovicide  
**EPA Reg. No.:** 91234-68  
**COMPANY IDENTIFICATION:** Atticus, LLC  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

#### 2. HAZARD IDENTIFICATION

##### WARNING

May be harmful if swallowed (H303)  
Very toxic to aquatic life with long lasting effects (H410)



##### HAZARD CLASSIFICATION

###### Health Hazards

Acute toxicity, oral

Category

5

###### Environmental Hazards

Hazardous to the aquatic environment, acute

Hazardous to the aquatic environment, chronic

Category

1

1

##### HAZARDS NOT REQUIRING CLASSIFICATION

None.

##### PRECAUTIONARY STATEMENTS

**IF SWALLOWED:** Call a Poison Control Center or doctor if you feel unwell. (P301+P312)

Avoid release to the environment. (P273)

Collect spillage. (P391)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Ettoxazole	2-(2,6-difluorophenyl)-4-[4-(1,1-dimethylethyl)-2-ethoxyphenyl]-4,5-dihydrooxazole	153233-91-1	5.0%

#### 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.

**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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

#### 5. FIREFIGHTING MEASURES

**Flash Point:** Not applicable

**Fire and Explosion Hazards:** None known.

**Extinguishing Medium:** Fog, foam, dry chemical, or carbon dioxide (CO<sub>2</sub>).

**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.

**Hazardous Combustion Products:** Normal combustion forms carbon dioxide, water vapor and may product oxides of nitrogen. Combustion may product toxic gases of fluorine compounds. Incomplete combustion can product carbon monoxide.

**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:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain or soil. Contain contaminated water.

**Spill Cleanup:** Clean up spill immediately. **If spill is on land:** Reduce airborne dust. Vacuum or sweep up material and place in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in chemical waste container. **If spill is in water:** Stop the source of the release. Contain and isolate to prevent further release into soil, surface water and ground water. Absorb spill with inert material and remove contaminated water for treatment or disposal.

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Storage:** Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home.

## 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.

**General:** 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	light brown granule
<b>Odor:</b>	odorless
<b>Melting/freezing point:</b>	not available
<b>Boiling point/Boiling range:</b>	not available
<b>Flammability:</b>	not available
<b>Flammability limits (upper/lower):</b>	not available
<b>Flash point:</b>	not available
<b>Auto-ignition temperature:</b>	not available
<b>Decomposition temperature:</b>	not available
<b>pH:</b>	9.46 (1% aq.)
<b>Kinematic viscosity:</b>	not available
<b>Solubility:</b>	Dispersible in H <sub>2</sub> O
<b>Partition coefficient:</b>	not available
<b>Vapor pressure:</b>	not available
<b>Tap Density:</b>	0.7565 mg/L
<b>Relative vapor density:</b>	not available
<b>Particle characteristics:</b>	not available

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Extreme temperatures and direct sunlight.

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

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Information presented below is from testing done on an identical or substantially similar product:**

**ORAL TOXICITY (rat LD<sub>50</sub>):** 2600 mg/kg

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 2.05 mg/L (4-hour)

**EYE IRRITATION:** Brief and/or minor irritation

**SKIN IRRITATION:** Brief and/or minor irritation

**SKIN SENSITIZATION:** Not a contact sensitizer

**CARCINOGENICITY:**

**NTP:** Not listed

**IARC:** Not listed

**EPA:** Not listed

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects for the active ingredient or other components.

**REPRODUCTIVE TOXICITY:** No evidence of fertility or reproductive effects for the active ingredient or other compounds.

**TERATOGENICITY:** No evidence of teratogenic effects for the active ingredient or other components.

## 12. ECOLOGICAL INFORMATION

The active ingredient in this formulation is very highly toxic to freshwater and estuarine/marine invertebrates and estuarine/marine fish. The active ingredient is highly toxic to freshwater fish.

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

Rainbow Trout: (LC<sub>50</sub>) > 0.37 mg/L, (NOAEC) 0.015 mg/L  
Daphnia Magna: (EC<sub>50</sub>) 0.0073 mg/L, (NOAEC) 0.00013 mg/L  
Sheepshead Minnow (LC<sub>50</sub>): > 0.16 mg/L  
Mysid Shrimp (LC<sub>50</sub>): 0.00442 mg/L  
Oyster (LC<sub>50</sub>): 0.0011 mg/L

Mallard Duck (LD<sub>50</sub>): > 2000 mg/kg  
Bobwhite Quail: (LC<sub>50</sub>) > 5060 mg/kg, (NOAEC) 286 ppm  
Bee (contact/oral LD<sub>50</sub>): > 200 µg/bee

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable outer bag. Do not reuse or refill outer bag. See container labeling for complete disposal instructions.

## 14. TRANSPORT INFORMATION

**UN Number:** UN3077  
**Proper Shipping Name:** Environmentally hazardous substance, solid, N.O.S. (contains etoxazole)  
**Transport Hazard Class:** 9  
**Packing Group:** III  
**Hazard Zone:** A  
**Marine Pollutant:** Yes<sup>1</sup>  
**Hazardous Substance RQ:** None  
**Labels / Placards:** US-DOT: Class 9 Environmentally Hazardous Substance<sup>2</sup>

IMDG, IATA: Class 9 Environmentally Hazardous Substance<sup>3</sup>

**Emergency Guide:** 171 (NAERG – North American Emergency Response Guide)

<sup>1</sup> **Marine Pollutant Note:** Ground-only shipments are excluded from Marine Pollutant labeling requirements as per 49CFR§172.101 Appendix B(4). For any shipments involving all or part of the transport by vessel, the shipment must be classified as a Marine Pollutant unless a limited quantity exemption applies (see note 3 below).

<sup>2</sup> **US-DOT Note:** Not regulated for "ground only" shipments.

<sup>3</sup> **IMDG / IATA Note:** Not regulated when shipped in single or inner packaging ≤ 11 lbs. (5 kg).

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 eyes, skin or clothing.

See inside label booklet for additional precautionary statements.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to freshwater and marine/estuarine aquatic invertebrates, including oysters 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 apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters 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

None

#### CERCLA Reportable Quantity (RQ) –

Not listed

#### CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the State of California to cause cancer or other 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

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

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