

# LESCO® SPECTATOR™

## Turf and Ornamental Fungicide

### MATERIAL SAFETY DATA SHEET

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** LESCO® Spectator™ Turf and Ornamental Fungicide  
**PRODUCT DESCRIPTION:** A systemic liquid fungicide.  
 EPA Reg. No. 79676-21

**COMPANY IDENTIFICATION:**  
 Etigra  
 501 Cascade Pointe Lane, Suite 103  
 Cary, NC 27513  
 www.etigra.com

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Chemical Name	Formula	CAS #	% Comp
Propiconazole	1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole	C <sub>15</sub> H <sub>17</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>2</sub>	60207-90-1	41.8%
Napthalene		C <sub>10</sub> H <sub>8</sub>	91-20-3	4.2%

#### 3. HAZARD IDENTIFICATION

Causes substantial but temporary eye injury. Causes skin irritation. Harmful if swallowed. Do not get in eyes, on skin, or on clothing.

TM

Manufactured for:  
 Etigra  
 501 Cascade Pointe Lane, Suite 103  
 Cary, NC 27513  
 www.etigra.com

REV 1007

**Etigra**  
**Emergency Phone: Chemtrec 800-424-9300**  
 Effective Date: October 23, 2007  
 EPA Reg. No. 79676-21

#### 4. FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**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.

**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.

**NOTE TO PHYSICIAN:** There is no specific antidote for this product. Induce emesis or lavage stomach, taking care to avoid aspiration of stomach contents into lungs. Give saline laxative and supportive therapy. Contains petroleum distillate – vomiting may cause aspiration pneumonia.

#### 5. FIRE-FIGHTING MEASURES

**Flash point (Closed Cup):** 64.6°C (148.3°F)

**Flammability:** Combustible liquid.

**Fire and Explosion Hazards:** This material can burn in fire releasing irritating and toxic gases due to thermal decomposition or combustion.

**Suitable Extinguishing Media:** Use foam, fog or water spray.

**Fire Fighting Equipment:** Wear full fire fighting turn-out gear (Bunker gear) and self-contained breathing apparatus.

**Hazardous Combustion Products:** NO<sub>x</sub>, CO, CO<sub>2</sub> and chlorides.

#### 6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Dispose of this product and its container at a hazardous or special waste collection point in accordance with national and regional regulations. If the product has contaminated surface water, inform the appropriate authorities. Contaminated soil layers need to be dug out.

**Small Spill:** Implement appropriate containment to avoid environmental contamination. Absorb small spills with sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

**Large Spill:** This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Dike large spills using absorbent or impervious material such as clay or sand. Collect and contain as much free liquid as possible. Allow absorbed material to solidify and scrape up for disposal.

#### 7. HANDLING AND STORAGE

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Keep out of reach of children. Do not contaminate water, food, or feed by storage or disposal. Store in original container in a secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Refer to the product label for additional information regarding application of this product.

##### PERSONAL PROTECTIVE EQUIPMENT:

**Eyes and Face:** Chemical goggles or full face shield.

**Protective Clothing:** Coveralls over short-sleeved shirt and long pants, shoes plus socks, and a chemical resistant apron when cleaning equipment, mixing, or loading.

**Gloves:** Wear chemical-resistant gloves such as barrier laminate, butyl rubber (≥14 mils), nitrile rubber (≥14 mils), neoprene rubber (≥14 mils), polyvinyl chloride (PVC) (≥14 mils), or viton (≥14 mils).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

##### USER SAFETY RECOMMENDATIONS:

Remove clothing immediately, if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid

**Odor:** Aromatic

**pH:** 5.4 – 5.6

**Viscosity:** 17.436 centistokes @ 20°C

**Density:** 1.053 g/ml

**Solubility in Water:** Soluble

#### 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Protect from sunlight, flame and open sources of heat.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** Strong acids and strong bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Heating creates NO<sub>x</sub>, CO, CO<sub>2</sub> and chlorides.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE ORAL TOXICITY

Oral LD<sub>50</sub> (rat): 1,030 mg/kg

### ACUTE DERMAL TOXICITY

Dermal LD<sub>50</sub> (rat): >5,000 mg/kg

### ACUTE INHALATION TOXICITY

Inhalation LC<sub>50</sub> (rat): >2.04 mg/L (4 hr.)

**EYE IRRITATION:** Moderately irritating

**SKIN IRRITATION:** Moderately irritating

**DERMAL SENSITIZATION:** Not a contact sensitizer

### CARCINOGENICITY:

**IARC:** Not listed

**NTP:** Not listed

**OSHA:** Not listed

**ACGIH:** Not listed

**MUTAGENIC DATA:** No evidence of effects during *in vivo* and *in vitro* studies.

**REPRODUCTIVE TOXICITY:** Not teratogenic in animal experiments.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. 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 disposing of equipment washwaters.

**ENVIRONMENTAL PROPERTIES:** Propiconazole has low mobility and is not persistent in soil, has low bioaccumulation potential, and is stable in water (sinks in water after 24 hours).

**Note:** The information presented in this section applies to the active ingredient, propiconazole.

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Pesticide wastes may be acutely hazardous. Improper disposal is a violation of Federal law. Pesticide, mixtures, or equipment rinse water that cannot be chemically reprocessed must be disposed of according to applicable Federal, state or local procedures. Contact your state pesticide or environmental control agency or the hazardous waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated by DOT  
REPORTABLE QUANTITY: 100 lbs. (Naphthalene)

MARINE POLLUTANT: No

## 15. REGULATORY INFORMATION

### FIFRA –

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

### CERCLA REPORTABLE QUANTITY –

Naphthalene (91-20-3) 100 lbs.

**SARA Title III – Section 302 Extremely Hazardous Substances**  
Not listed

### SARA Title III – Section 311 Hazard Categories

Acute, Chronic, Fire

### 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

Propiconazole (60207-90-1)

Naphthalene (91-20-3)

### CALIFORNIA PROP 65 STATUS –

This product contains a chemical (Naphthalene) known to the State of California to cause cancer.

## 16. OTHER INFORMATION

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

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