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# MATERIAL SAFETY DATA SHEET

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TRANSPORTATION EMERGENCY (24 hours a day)  
CHEMTREC: .....(800) 424-9300

EMERGENCY (24 hours a day) AND PRODUCT INFORMATION  
OHP, Inc.: .....(800) 356-4647

## Terrazole® L

EPA Registration Number: 400-422-59807

### I. PRODUCT IDENTIFICATION

Product Name .....: TERRAZOLE® L  
Chemical Name .....: Etridiazole  
Use(s) Use of  
substance/preparation .....: Fungicide

### II. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

#### DANGER!

MAY BE HARMFUL IF SWALLOWED.  
MAY BE IRRITATING TO RESPIRATORY SYSTEM,  
SKIN AND EYES.  
PROLONGED AND/OR REPEATED EXPOSURE  
MAY CAUSE THE FOLLOWING EFFECTS:  
DIZZINESS  
HEADACHE  
DEFATTING OF THE SKIN  
MAY CAUSE LIVER DAMAGE.  
MAY CAUSE CENTRAL NERVOUS SYSTEM  
EFFECTS.  
EYE BURNS MAY OCCUR.  
CAUSES CANCER IN LABORATORY ANIMALS.

### III. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS #	% by WEIGHT
Etridiazole		44.3
Naphthalene	91-20-3	< 5
1,2,4-Trimethylbenzene	95-63-6	< 5

Ingredients not precisely identified are non-hazardous and/or proprietary.

### IV. FIRST AID MEASURES

**Swallowing** .....: 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.

**Inhalation** .....: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**Skin contact** .....: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

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

### V. FIRE-FIGHTING MEASURES

**Flash point** .....: 151°F / 65.6°C

**Autoignition temperature** .....: Not available

#### Hazardous combustion products

Combustion may produce the following products:  
Hydrogen chloride.  
Oxides of sulfur.  
Oxides of nitrogen.

#### Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

#### Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear.  
Self-contained breathing apparatus.

#### Extinguishing media

##### Suitable:

##### Large fires:

— alcohol-type foam or universal-type foams

##### Small fires:

— CO<sub>2</sub>  
— dry chemical

##### Unsuitable:

— water jets

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### VI. ACCIDENTAL RELEASE MEASURES

**Personal precautions** . . . . .: Wear suitable protective equipment. Avoid contact with eyes and skin.

**Environmental precautions** . . .: Prevent from entering sewer system, surface water or soil.

**Methods for cleaning up** . . . . .: Observe government regulations.

**Small spills** . . . . .: Absorb on inert material such as sand, earth, vermiculite. Collect for disposal.

**Large spills** . . . . .: Dike to contain spill. Pump excess material into suitable container (metal drums, metal tank, or such).

### VII. HANDLING AND STORAGE

#### HANDLING

**Handling precautions** . . . . .: Do not get in eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapor. Use with adequate ventilation. Wash thoroughly after handling.

#### Other precautions

NOTE TO END-USERS: The employee protection recommendations on this MSDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.

#### STORAGE

**Storage requirements** . . . . .: Keep container closed. Store in a cool, dry place.

### VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE LIMIT VALUES

Component	Country	Type	Value	Remark
Naphthalene		TWA, OSHA	50 mg/m3 10 ppm 10 ppm	
		STEL, OSHA	75 mg/m3 15 ppm 15 ppm	
		TWA (skin), ACGIH	10 ppm 10 ppm	
		STEL, ACGIH	15 ppm 15 ppm	
1,2,4-Trimethylbenzene		TWA, OSHA	125 mg/m3 25 ppm 25 ppm	
		TWA, ACGIH	25 ppm 25 ppm	

### PERSONAL PROTECTION

**Respiratory protection** . . . . .: Self-contained breathing apparatus in high vapor concentrations.

**Hand protection/  
protective gloves** . . . . .: Chemical resistant protective gloves

**Eye protection** . . . . .: Safety glasses with side shields.

**Skin protection** . . . . .: Wear protective clothing, such as long sleeves to minimize skin contact.

**Other protective equipment** . . .: Eye bath, Safety shower

### ENGINEERING CONTROLS

**Ventilation** . . . . .: Special, local ventilation is needed at points where vapors can be expected to escape to the workplace air.

### IX. PHYSICAL AND CHEMICAL PROPERTIES

#### APPEARANCE

**Physical state** . . . . .: Liquid

**Color** . . . . .: Amber

**Odor** . . . . .: Solvent

**Odor threshold** . . . . .: Not available

#### OTHER PROPERTIES

**Boiling Point** . . . . .: Not available

**Melting Point** . . . . .: Not available

**pH** . . . . .: 4.6

**Specific gravity (H2O=1)** . . .: 1.104

**Vapor pressure** . . . . .:

**Solubility in water** . . . . .: Insoluble

**Solubility in  
organic solvents** . . . . .: Soluble

**Partitioning coefficient** . . . .: No data available.

**Flash Point** . . . . .: 151°F / 65.6°C

**Autoignition temperature** . .: Not available.

### X. STABILITY AND REACTIVITY

**Stability** . . . . .: This product is stable under normal storage and handling conditions

**Incompatible materials** . . . . .: Strong oxidizing agents.

**Hazardous combustion  
products** . . . . .: Combustion may produce the following products:

Hydrogen chloride.  
Oxides of sulfur.  
Oxides of nitrogen.

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### XI. TOXICOLOGICAL INFORMATION

#### SWALLOWING

Test results  
Acute toxicity: LD50 - Rat  
Result: 1.6 g/kg

Test results  
Chronic toxicity: NOEL - Rat  
Result: 2.5 mg/kg  
Exposure time: 90 d

#### SKIN ABSORPTION

Test results  
Acute toxicity: LD50 - Rat  
Result: 3.6 g/kg

Test results  
Chronic toxicity: NOEL - Rats  
Result: 20 mg/kg  
Exposure time: 90 d

#### INHALATION

Test results  
Acute toxicity: LC50 - Rat  
Result: > 3.8 mg/l  
Exposure time: 4 h

#### SKIN CONTACT

Test results  
Skin irritation: Species: Rabbit  
Result: moderate irritation

#### EYE CONTACT

Test results  
Eye irritation: Species: Rabbit  
Result: Corrosive.

#### SENSITIZATION

Test results  
Species: Guinea pigs  
Result: Non sensitizing

#### MUTAGENICITY

Assessment: Positive

#### CARCINOGENICITY

Assessment: Carcinogen Cat. 3

#### TOXICITY TO REPRODUCTION / FERTILITY

Assessment: Negative

### XII. ECOLOGICAL INFORMATION

Component ecotoxicology  
Etridiazole:  
Acute toxicity fish: LC50 - Rainbow trout  
(Oncorhynchus mykiss)  
Result: 2.4 mg/l  
Exposure time: 96 h

Component ecotoxicology  
Etridiazole:  
Acute toxicity fish: LC50 - Bluegill  
(Lepomis macrochirus)  
Result: 3.27mg/l  
Exposure time: 216 h

Component ecotoxicology  
Etridiazole:  
Acute toxicity fish: LC50 - Sheepshead minnow  
(Cyprinodon variegatus)  
Result: 4.0 mg/l  
Exposure time: 96 h

Component ecotoxicology  
Etridiazole:  
Aquatic toxicity to plants:  
EC50 - Algae  
Result: 0.072 mg/l  
Exposure time: 120 h

Component ecotoxicology  
Etridiazole:  
Acute toxicity to aquatic invertebrates: EC50 - Water flea  
(Daphnia magna)  
Result: 3.1 mg/l  
Exposure time: 48 h

### XIII. DISPOSAL CONSIDERATIONS

**General** . . . . .: Dispose of in accordance with appropriate Federal, State, and local regulations. Avoid discharge to sewers and natural waters.

### XIV. TRANSPORT INFORMATION

**DOT Classification**  
Not regulated by ground or rail if shipped or transported in containers less than 450 liters.

**Proper shipping name** . . . . .: COMBUSTIBLE LIQUID, N.O.S.

**UN ID #** . . . . .: NA1993

**Packing group** . . . . .: III

**Marine pollutant** . . . . .: MARINE POLLUTANT  
Not regulated by ground or rail if shipped or transported in containers less than 450 liters.

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### IMDG Classification

**Proper shipping name** . . . . .: Environmentally hazardous substance, liquid, n.o.s.

**Class** . . . . .: 9

**Subsidiary risk** . . . . .: marine pollutant

**UN ID #** . . . . .: UN 3082

**Packing group** . . . . .: III

### ICAO Classification

**Proper shipping name** . . . . .: Environmentally hazardous substance, liquid, n.o.s.

**Class** . . . . .: 9

**UN ID #** . . . . .: UN 3082

**Packing group** . . . . .: III

### XV. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Naphthalene RQ 100 pounds for naphthalene	91-20-3	< 5.00
1,2,4-Trimethylbenzene	95-63-6	< 5.00

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Naphthalene	91-20-3	< 5.00
1,2,4-Trimethylbenzene	95-63-6	< 5.00

### New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
Etridiazole	—	
Inerts	—	

### EPA Hazard Categories (SARA 311, 312):

Immediate Health Hazard, Delayed Health Hazard, Fire Hazard

### California Proposition 65

This product contains ETRIDIAZOLE which the State of California has found to cause cancer.

### Chemical Inventory

**United States** . . . . .: This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from TSCA Inventory listing requirements.

### XVI. OTHER INFORMATION

Recommended uses and restrictions:

NOTE TO END-USERS: This MSDS is being provided to all interested persons in accordance with federal and state right-to-know laws. Precautionary Statements, First Aid Statements and Directions for Use of this product by end-users are contained on the product label and must be followed at all times.

**STP** Standard temperature and pressure

W/W

Weight/Weight

0 (HMIS) Minimal hazard

1 (HMIS) Slight hazard

2 (HMIS) Moderate hazard

3 (HMIS) Serious hazard

4 (HMIS) Severe hazard

X (HMIS) Personal protection rating to be supplied by user depending on use conditions.

The opinions expressed herein are those of qualified experts within OHP, INC. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of OHP, INC., it is the user's obligation to determine the conditions of safe use of the products.

Date of Issue: 06/26/2007

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