



# MATERIAL SAFETY DATA SHEET

## *Terrazole 35% WP*

Version: 1.6  
Date of Issue: 06/25/2007  
Date printed: 01/03/2008

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** Terrazole 35% WP

**Chemical name:** Etridiazole

**Use of substance/preparation:** Fungicide

**Supplier:** Chemtura Corporation  
199 Benson Road  
Middlebury, CT 06749 USA

**Emergency telephone number:** CHEMTREC (24 hours) 800-424-9300  
Chemtura Corporation Emergency Response (24 hours) 800-292-5898

**Environmental, Health and Safety Department:** 866-430-2775

**Prepared by** Product Safety Department Date of Issue: 06/25/2007  
(US) +1 866-430-2775  
(EU) +44 (0) 1753.603.000  
Email: MSDSRequest@chemtura.com

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### 2. HAZARDS IDENTIFICATION

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#### EMERGENCY OVERVIEW

#### CAUTION!

MAY BE HARMFUL IF INHALED, SWALLOWED, OR ABSORBED THROUGH SKIN.  
MAY CAUSE MODERATE IRRITATION TO EYES.  
MAY CAUSE SKIN IRRITATION.  
PROLONGED AND/OR REPEATED EXPOSURE MAY CAUSE THE FOLLOWING EFFECTS:  
MAY CAUSE LIVER DAMAGE.  
CONTAINS A COMPONENT WHICH IS A POSSIBLE CANCER HAZARD BASED ON ANIMAL DATA.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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INGREDIENT	% BY WEIGHT
Etridiazole CAS# 2593-15-9	35
Anionic/Nonionic surfactant blend	< 5



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CAS# -

Crystalline Silica (Cristobalite)
CAS# 14464-46-1

< 2

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

4. 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.

5. FIRE-FIGHTING MEASURES

Flash point: > 230 °F > 110 °C
Autoignition temperature: 355 °C

NFPA CLASSIFICATION

Table with 4 columns: Health: 2, Flammability: 3, Reactivity: 0, Special provisions: Dust explosion hazard

Hazardous combustion products

Irritating fumes.
Oxides of carbon.
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: - CO2
- dry chemical
- water spray

Unsuitable: - water jets



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Evacuate unnecessary personnel., Avoid all contact with material., Wear suitable protective equipment.

Environmental precautions

Prevent from entering sewer system, surface water or soil.

Methods for cleaning up

Avoid dust formation.
Sweep up and dispose of as instructed

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Wear recommended personal protection equipment., Warn personnel about the dangers of the product., Keep container tightly closed., Avoid dispersion of dust to reduce fire and explosion potential.

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

Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Table with 4 columns: Component, Type, Value, Remark. Rows include particulates not otherwise regulated with TWA, OSHA values of 15.0 mg/m3, 5.0 mg/m3, 10.0 mg/m3, and 3.0 mg/m3.

PERSONAL PROTECTION

Respiratory protection

In the absence of engineering controls sufficient to maintain airborne concentrations below recommended occupational exposure limit values, appropriate respiratory protection should be utilized., The determination of appropriate respiratory protection is best performed, on a case by case basis, taking into consideration the exposure conditions of the particular operation., Use an approved full-face air-purifying respirator. For emergency and other conditions where the exposure limit may be greatly exceeded, use an approved positive-pressure self-contained breathing apparatus., The respirator manufacturer should be consulted to ensure that the air-purifying cartridges utilized will provide adequate protection for the exposure conditions and period of wear concerned.

Hand protection / protective gloves

Chemical resistant protective gloves



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**Eye protection**

Full face shield.

**Skin protection**

Chemical resistant protective clothing.

**Industrial hygiene measures**

Before eating, drinking or smoking, wash hands and face thoroughly with soap and water.

**ENGINEERING CONTROLS**

**Ventilation**

Provide local exhaust or process enclosure ventilation system.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE**

Physical state	Powder
Color	Clear/grey
Odor	Pungent
Odor threshold	Not available

**OTHER PROPERTIES**

Boiling point	Not available
Melting point	Not available
pH	8.0
Bulk density	0.3 kg/m3
Solubility in water	Dispersible
Solubility in organic solvents	Soluble
Partitioning coefficient	log POW: 3.37
Flash point	> 230 °F > 110 °C
Autoignition temperature	355 °C
Molecular weight	247.5
Solids concentration	100 %

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**10. STABILITY AND REACTIVITY**

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



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**Incompatible materials:**

Oxidizing agents.

**Hazardous combustion products:**

Irritating fumes.  
Oxides of carbon.  
Oxides of nitrogen.

**Hazardous polymerization:** Will not occur.

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**11. TOXICOLOGICAL INFORMATION**

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SWALLOWING

Test results

Acute toxicity: LD50 Rat  
Result: 3,300 mg/kg

SKIN ABSORPTION

Test results

Acute toxicity: LD50 - Rabbit  
Result: > 2,000 mg/kg

INHALATION

Test results

Acute toxicity: LC50 - Rat  
Result: > 2.8 mg/l  
Exposure time: 4 h

SKIN CONTACT

Test results

Skin irritation: Species: Rabbit  
Result: Non irritating.

EYE CONTACT

Test results

Eye irritation: Species: Rabbit  
Result: Moderate

SENSITIZATION

Test results:

Species: - Guinea pigs  
Result: Negative

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**12. ECOLOGICAL INFORMATION**

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Biodegradation: Remark: Not readily biodegradable.

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



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Table with 2 columns: Test parameters (Component ecotoxicology, Etridiazole, Acute toxicity) and Test results (LC50, Result, Exposure time) for Bluegill, Sheepshead minnow, Algae, and Water flea.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT Classification

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Etridiazole)
Class: 9
UN ID #: UN3077
Packing group: III

Not regulated by ground or rail if shipped or transported in container less than 400 kg.

IMDG Classification

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
Class: 9
Subsidiary risk: marine pollutant
UN ID #: UN 3077
Packing group: III
Technical description: (Etridiazole)

ICAO Classification

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
Class: 9
UN ID #: UN 3077
Packing group: III

Technical description: (Etridiazole)

Only regulated by air Into, Out of or Within the United States in containers 881.8 lbs (400 kg) or greater.



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### 15. 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:

\*\*\*\* NONE \*\*\*\*

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:

\*\*\*\* NONE \*\*\*\*

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

Chemical name	CAS#	New Jersey TS Number
Etridiazole	2593-15-9	
Anionic/Nonionic surfactant blend	-	
Crystalline Silica (Cristobalite)	14464-46-1	

EPA Hazard Categories (SARA 311, 312): Immediate Health Hazard, Delayed Health Hazard

California Proposition 65

Contains 5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole

### 16. 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.

HMIS RATING

Health: 2	Flammability: 3 (DUST)	Reactivity: 0	PPI: X
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STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	0 (HMIS)
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

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