



# MATERIAL SAFETY DATA SHEET

## TERRAZOLE® 35% WP

Version: 1.0  
DATE OF ISSUE: 02/09/2006  
Date printed: 03/25/2006

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name :** TERRAZOLE® 35% WP

**Chemical name:** Etridiazole

**Use of substance/preparation:** No specific information.

**Supplier:** Chemtura USA Corporation  
Chemtura Corporation (Worldwide HQ)  
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  
**For additional emergency telephone numbers  
see section 16 of the Safety Data Sheet.**

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

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
Etridiazole CAS# 2593-15-9	35
Anionic/Nonionic surfactant blend CAS# -	< 5
Crystalline Silica (Cristobalite) CAS# 14464-46-1	< 2

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

#### CAUTION!

MAY CAUSE EYE 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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**4. FIRST AID MEASURES**

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**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.

**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.

**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.

**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.

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**5. FIRE-FIGHTING MEASURES**

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

**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



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Unsuitable: - water jets

## 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.

#### 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

<u>Component</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Particulates not otherwise regulated	TWA, OSHA	15.0 mg/m <sup>3</sup>	Total dust
	TWA, OSHA	5.0 mg/m <sup>3</sup>	Respirable fraction
	TWA - ACGIH	10.0 mg/m <sup>3</sup>	Total inhalable dust
	TWA - ACGIH	3.0 mg/m <sup>3</sup>	Respirable fraction



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### PERSONAL PROTECTION

#### Respiratory protection

In case of occurrence of dust respiratory protective equipment required.

#### Hand protection / protective gloves

Chemical resistant protective gloves

#### 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/m <sup>3</sup>
Solubility in water	Dispersible
Solubility in organic solvents	Soluble
Partitioning coefficient	log POW: 3.37



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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.

**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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<u>Component data</u> <b>Etridiazole</b> Acute toxicity - Swallowing:	LD50 - Rats Result: 1,028 mg/kg
<u>Component data</u> <b>Etridiazole</b> Acute toxicity - Skin absorption:	LD50 - Rat Result: > 5,000 mg/kg
<u>Component data</u> <b>Etridiazole</b> Acute toxicity - Inhalation:	LC50 - Rat Result: 5.7 mg/l Exposure time: 4 h
<u>Component data</u> <b>Etridiazole</b> Skin irritation - Skin contact:	Species: Rabbit Classification: Not irritant

**EYE CONTACT**



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### Test results

Eye irritation: Species: Rabbit  
Classification: Irritant  
Remark: Test result for formulated product

<u>Component data</u> <b>Etridiazole</b> Eye irritation - Eye contact:	Species: Rabbit Classification: Not irritant
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<u>Component data</u> <b>Etridiazole</b> Sensitization:	Species: Guinea pigs Classification: Sensitizer
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### MUTAGENICITY

**Component (Etridiazole):** Chromosome Aberration (CHO): Positive

### CARCINOGENICITY

**Component (Etridiazole):** Carcinogen Cat. 3

### TOXICITY TO REPRODUCTION/FERTILITY

**Component (Etridiazole):** Negative

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## 12. ECOLOGICAL INFORMATION

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**Biodegradation:** Remark: Not readily biodegradable.

<u>Component ecotoxicology</u> <b>Etridiazole</b> <u>Acute toxicity fish:</u>	LC50 - Rainbow trout (Oncorhynchus mykiss) Result: 2.4 mg/l Exposure time: 96 h
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<u>Component ecotoxicology</u> <b>Etridiazole</b> <u>Aquatic toxicity to plants:</u>	IC50 - Selenastrum capricornutum Result: 0.39 mg/l Exposure time: 72 h
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<u>Component ecotoxicology</u> <b>Etridiazole</b> <u>Acute toxicity to aquatic invertebrates:</u>	EC50 - Water flea (Daphnia magna) Result: 3.1 mg/l Exposure time: 48 h
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## 13. DISPOSAL CONSIDERATIONS

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



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### **Non-cleaned packages**

Empty drums should be decontaminated and either passed to an approved drum reconditioner or destroyed., Containers that cannot be cleaned must be treated as waste.

## **14. TRANSPORT INFORMATION**

### **DOT Classification**

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

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

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

### **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

### **ICAO Classification**

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

## **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



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**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.

**FURTHER INFORMATION**

MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand) CONSULT REGULATORY SPECIALIST.

Emergency Telephone Numbers

<b>Latin America:</b>	All	+44 (0)208 762 8322
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STP	Standard temperature and pressure
W/W	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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