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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Terrazole 350 WP Soil Fungicide  
**Other Names:** Etridiazole  
**Product Codes:** OM2424 (Etridiazole tech)  
**Recommended Use:** Soil fungicide for control of damping off, root & stem rot of ornamentals and turf caused by *Phytophthora* & *Pythium* fungi  
**Chemical Family:** -  
**Supplier:** Chemtura Australia Pty Ltd  
**ABN:** 005 225 507  
**Street Address:** Level 7, 435 King William Street  
Adelaide South Australia 5000  
**Telephone Number:** 61 8 8112 0900  
**Facsimile Number:** 61 8 8112 0999  
**Emergency Telephone:** **1800 033 111 (24-hour service)**

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## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** **HAZARDOUS SUBSTANCE, DANGEROUS GOOD**  
Classified according to the criteria of the National Occupational Health and Safety Commission (NOHSC).

**Risk Phrases:** **Toxic (T)**  
**Irritant (Xi)**  
R23 Toxic by inhalation  
R36 Irritating to eyes

**Safety Phrases:** See sections 4, 5, 6, 7, 8, 10, 12, 13

**Poisons Schedule:** S5  
**Dangerous Goods Class:** 9, Miscellaneous Dangerous Good

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## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Identity	Common Name(s) and Synonym(s)	CAS Number	Proportion by Weight
Etridiazole	Etridiazole	2593-15-9	350.0 g/kg

**Note:** Australian and US Patents apply.

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## 4. FIRST AID MEASURES

**Ingestion:** If patient is fully conscious, administer large quantities of water. Seek medical advice.  
**Inhalation:** Remove to fresh air. If breathing difficulties occur, seek medical advice.  
**Eye Contact:** Hold eye(s) open and flush with water for 15 minutes. Seek medical advice.  
**Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing and laundry before reuse. If irritation persists, seek medical advice.  
**First Aid Facilities:** Eye wash station.  
**Advice to Doctor:** Treat symptomatically.

**Additional Information:** If poisoning occurs contact a doctor or Poison Information Centre. Phone Australia 131 126; New Zealand 03 4747 000. Follow the advice given.

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## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray, fog, foam or dry chemical. Contain runoff.

**Hazards from Combustion Products:** On combustion, there may be production of hydrogen chloride and oxides of sulfur and nitrogen. Reacts with strong oxidizing agents.

**Precautions for Fire fighters and Special Protective Equipment:** May burn but not ignite regularly. Protect against inhalation of combustion products.

**HazChem Code:** 2 X

**Additional Information:** Not available

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## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

**Methods and Materials for Containment and Clean-Up Procedures:** Use personal protective equipment as outlined in section 8. Vacuum up to avoid creating dust. Transfer into secure containers for proper disposal. Do not contaminate watercourses or drains with the product or containers. Do not reuse the containers for any purpose. If there is a contamination of crops or waterways, advise emergency service or State Department.

Disposal after accident or spill: Dispose of sealed containers at an approved local waste disposal.

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## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**

**Conditions for Safe Storage:** Store and Transport in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail. Store in original container, away from seeds, fertilizers, animal and human feedstuffs, and strong oxidizing agents. Keep dry and out of direct sunlight. Store below 40°C. Keep containers closed when not in use.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**National Exposure Standards:** None allocated by the National Occupational Health and Safety Commission (Worksafe Australia).

**Biological Limit Values:** Not relevant.

**Engineering Controls:** Sufficient ventilation to minimize dust exposure. Protect closed dust handling systems against possible dust explosions. Avoid dust accumulations on building or equipment surfaces. Keep containers closed when not in use.

**Personal Protective Equipment (PPE):** Avoid all personal contact. When using, do not eat, drink or smoke. Wear elbow-length PVC gloves and a face shield. In the absence of adequate ventilation, use a respirator fitted with an agricultural chemical cartridge(s). After use and before eating, drinking, smoking or using the toilet, wash hands, arms and face thoroughly with soap and water. Launder clothing and other protective equipment before storing or re-using.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Light grey powder.

**Odour:** Musty odour.

**pH:** 8.4

**Melting Point:** Not available

**Solubility:** Dispersible in water, active soluble in organic solvents

**Specific Gravity (Water = 1):** Not available

**Decomposition Temp:** Not available

**Flashpoint:** Not available

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## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable at ambient temperatures and pressures
<b>Conditions to Avoid:</b>	Not available
<b>Incompatible Materials:</b>	Strong oxidising agents
<b>Hazardous Decomposition Products:</b>	No data
<b>Autoignition temperature:</b>	355°C
<b>Hazardous Reactions:</b>	Not available
<b>Polymerisation:</b>	Not available

## 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure:

**Acute Health Effects:** Swallowed: Slightly toxic. Acute oral LD50 (rat) 3260 mg/kg  
Eye: Contact with eyes can cause irritation.  
Skin: Non-irritant. Acute dermal LD50 (rabbit) >2000 mg/kg  
Inhaled: Individuals with respiratory problems should avoid inhalation exposure.  
 Acute inhalation LC50 (rat) > 0.41 mg/L (4hr)

**Chronic Health Effects:** General: Studies in animals indicate that repeated or prolonged exposure could result in liver damage.  
Toxicology: Possible carcinogenicity to rats in long term feeding studies at high dose rates. Results indicated that etridiazole at levels of 640 mg/kg and 1280 mg/kg in the diet are carcinogenic to rats. No increase in tumors was found at the low dosage of 100 mg/kg. An increased incidence of hepatocellular adenoma/carcinomas in the high dose males and females and cholangiocarcinoma in the high dose females were noted.

## 12. ECOLOGICAL INFORMATION

**Environmental Hazards:** Do not apply directly to water or wetlands. Do not contaminated water when disposing of equipment wash water. Not toxic to bees. Not toxic to birds. Slightly toxic to fish.

### Etridiazole Technical

Bluegill Sunfish: 96 hr LC50 = 3.27 mg/kg Bobwhite Quail: LD50 = 560 mg/kg  
 Rainbow Trout: 96 hr LC50 = 1.21 mg/kg Bobwhite Quail: Dietary LC50 = 5000 mg/kg  
 Mallard duck: Dietary LC50 = 1650 mg/kg

**Persistence/Degradability:** Not available

**Mobility:** Not available

## 13. DISPOSAL CONSIDERATIONS

**Disposal Method(s):** Disposal after intended use: Do not dispose of undiluted chemicals on-site. Break, crush or puncture and bury empty containers in a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots.

Disposal after accident or spill: Dispose of sealed containers at an approved local waste disposal.

**Precautions for Landfill or Incineration:** Empty containers and product should not be burnt.

## 14. TRANSPORT INFORMATION

**UN Number:** 3077  
**UN Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (CONTAINS ETRIDIAZOLE) MARINE POLLUTANT  
**DG Class & Subsidiary Risk:** Class 9 – Miscellaneous Dangerous Good  
**Packing Group:** III  
**EPG/GTEPG:** Guide 47  
**Special Precautions for User:** None available  
**HazChem Code:** 2X  
**Other Information:** None available

## 15. REGULATORY INFORMATION

**Poisons Schedule:** S5  
**Additional Information:** APVMA Product No. 53332

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## **16. OTHER INFORMATION**

**Date of Preparation:** June, 2006  
**Revision Date:** August, 2008  
**Revision Number:** 1  
**Revision Summary:** Rev 1 - Update of Chemtura contact details

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**~END OF SAFETY DATA SHEET~**