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### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Proguard T Seed Treatment  
**Other Names:** Tebuconazole/Triflumuron  
**Product Codes:** None allocated  
**Recommended Use:** Fungicidal seed dressing for the control of diseases and protection against insect pests of stored grain  
**Chemical Family:** Azole  
**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:** **NON -HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD**  
Classified according to the criteria of the National Occupational Health and Safety Commission (NOHSC).  
**Risk Phrases:** Not relevant  
**Safety Phrases:** Not relevant  
**Poisons Schedule:** S5  
**Dangerous Goods Class:** Not a 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
Tebuconazole	Tebuconazole	108534-96-3	<10% (25g/L)
Triflumuron	Triflumuron	64628-44-0	<10% (4g/L)

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

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### 4. FIRST AID MEASURES

**Ingestion:** If poisoning occurs contact a doctor or Poison Information Centre.  
**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 launder before reuse. Seek medical advice.  
**Advice to Doctor:** None available.  
**First Aid Facilities:** Eye wash station.

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

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## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog or foam. Contain runoff

**Hazards from Combustion Products:** On combustion, there is production of oxides of nitrogen and hydrochloric acid gas

**Precautions for Fire fighters and Special Protective Equipment:** In case of fire, wear full protective clothing and self-containing apparatus.

**HazChem Code:** None Allocated

**Additional Information:** Not Flammable. However, in case of fire protect against inhalation of combustion products.

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## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:** If there is a contamination of crops or waterways, advise emergency services or State Department.

**Methods and Materials for Containment and Clean-Up Procedures:** Use personal protective equipment as outlined above. Absorb onto inert material. Transfer into secure containers for proper disposal. Prevent entry into waterways, drains or confined areas. Do not reuse the containers for any purpose.

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## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Wash hands after use.

**Conditions for Safe Storage:** Not classed as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road or Rail. This material is a Schedule Poison (S5) and must be stored, maintained and used according to the relevant regulations. Store in original container, away from seeds, fertilizers, animal and human feedstuffs, and strong acids or alkalis and 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:** There are no exposure standards allocated by the National Occupation Health & Safety Commission.

**Biological Limit Values:** Not available.

**Engineering Controls:** Ensure ventilation is adequate. Keep containers closed when not in use.

**Personal Protective Equipment (PPE):** Avoid personal contact. When using, do not eat, drink or smoke. Wear cotton overall buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves, face shield and disposable face mask. 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:** Red suspension concentrate

**Odour:** Weak characteristic odour

**pH:** Not available

**Melting Point:** Not available

**Solubility:** Not available

**Specific Gravity (Water = 1):** 1.06

**Decomposition Temp:** Not available

**Flashpoint:** Not available

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## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Not available

<b>Conditions to Avoid:</b>	Not available
<b>Incompatible Materials:</b>	Not available
<b>Hazardous Decomposition Products:</b>	Not available
<b>Hazardous Reactions:</b>	Not available
<b>Polymerisation:</b>	Not available

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## 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure:

<b>Acute Health Effects:</b>	<u>Swallowed:</u> Practically non-toxic. Acute oral LD50 (rat) = 4264-5000 mg/kg (Tebuconazole Technical) >5000 mg/kg (Triflumuron Technical)
	<u>Eye:</u> Mild-irritant
	<u>Skin:</u> Non-irritant Acute dermal LD50 (rat) >5000 mg/kg (Tebuconazole Technical) >5000 (Triflumuron Technical)
	<u>Inhaled:</u> May cause mild irritation if inhaled. Acute inhalation LC50 (rat) = 818 mg/m <sup>3</sup> (Tebuconazole Technical) Acute inhalation LC50 (rat) = 50 mg/m <sup>3</sup> (Triflumuron Technical)
<b>Chronic Health Effects:</b>	<u>Inhaled:</u> Prolonged exposure may cause irritation. Animal studies have shown no evidence of oncogenic effect, no evidence of carcinogenic effects and no teratogenic potential.

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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Harmful to fish and aquatic arthropods. Do not contaminate dams, rivers, ponds, water ways or drains with the chemical, used containers, or bags which have held treated seed. Do not feed treated seed or otherwise expose to wild or domestic birds.
<b>Persistence/Degradability:</b>	Not available
<b>Mobility:</b>	Not available

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## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Method(s):</b>	<u>For disposal after intended use:</u> Triple or preferably, pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. <u>For disposal after spill or accident:</u> Dispose of sealed containers at an approved local waste disposal site.
<b>Precautions for Landfill or Incineration:</b>	Empty containers and product should not be burnt.

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## 14. TRANSPORT INFORMATION

<b>UN Number:</b>	Not allocated
<b>UN Proper Shipping Name:</b>	Not allocated
<b>DG Class &amp; Subsidiary Risk:</b>	Not allocated
<b>Packing Group:</b>	Not allocated
<b>EPG/GTEPG:</b>	Not allocated
<b>Special Precautions for User:</b>	Not allocated
<b>HazChem Code:</b>	Not allocated
<b>Other Information:</b>	Not available

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## 15. REGULATORY INFORMATION

<b>Poisons Schedule:</b>	S5
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## **16. OTHER INFORMATION**

**Date of Preparation:** April, 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~**