

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY:

PROCURE

SUPPLIER NAME: Zelam Limited
SUPPLIER CODE: None
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand
SUPPLIER PHONE: +64 6 7559234 SUPPLIER FAX: +64 6 7551174
EMERGENCY PHONE: 0800 243 622, 0800 CHEMCALL
CHEMICAL FAMILY: Azole USE: Fungicide

2. COMPOSITION / INFORMATION ON INGREDIENTS:

| COMMON NAME: | CAS NUMBER: | CONCENTRATION %: | HAZARD CLASSIFICATIONS: |
|---------------|-------------|------------------|-------------------------|
| Inerts | | Ballance | |
| Propiconazole | 60207-80-1 | 25% | Class 6, 9. |

3. HAZARDS IDENTIFICATION:

Hazard Class: 6.3B, 6.4A, 6.9B, 9.1A.
May cause eye and skin irritation.
This substance is ecotoxic.
Refer to Section 15 for ERMA Requirements.

4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation occurs or persists.

SKIN CONTACT: Remove contaminated clothing immediately. Wash with soap and flowing water for at least 15 minutes. Wash clothing before reuse.

INHALATION: If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth. Obtain medical attention.

INGESTION: If swallowed, drink several glasses of water. DO NOT induce vomiting. If vomiting occurs spontaneously, keep airway clear. Seek medical advice

NOTES TO DOCTOR: No specific antidote. Antihistamines or steroid creams have been effective in the treatment of skin.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: 107°C closed cup.

FLAMMABLE LIMITS: Not available.

EXTINGUISHING MEDIA: Water spray (fog), foam.

THERMAL DECOMPOSITION PRODUCTS: Chlorides and oxides of nitrogen and carbon.

SPECIAL FIRE FIGHTING METHODS: Self contained breathing apparatus required. Do not allow contaminated runoff to enter drains.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None

6. ACCIDENTAL RELEASE MEASURES:

Use appropriate protective equipment. Clear area of unnecessary personnel. Spills may be slippery and should be cleaned up immediately. Large spill: Dike and pump as much as possible to a salvage container. Absorb the remaining liquid and any small spills with clay granules, sand or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb. Minimise runoff into waterways or drains.
Warning this substance is very toxic to aquatic organisms. Avoid contamination of any water supply with this substance or empty container.

7. HANDLING AND STORAGE:

Store in original container, tightly closed under lock and key, away from food stuffs. Wash protective clothing daily after work.
Harmful - Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: Not established by OSHA.

EYE PROTECTION: Chemical goggles or face shield where splash may occur.

RESPIRATORY PROTECTION: When spraying use suitable respiratory equipment.

PROTECTIVE CLOTHING: When handling wear waterproof gloves, overalls and boots.

VENTILATION: General and local exhaust ventilation adequate.

HYGIENE PRECAUTIONS: If skin contact or contamination of clothing is likely, protective clothing should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: Clear light straw liquid.

| | | | |
|----------------------------|---------------------|---------------------------|------------------|
| BOILING POINT: | >100°C | pH: | Not available |
| DENSITY: | 0.96 - 1.005 @ 20°C | SETTING POINT: | Not available |
| DECOMPOSITION TEMP: | Above 300°C | AUTOIGNITION TEMP: | 265°C |
| FLASHPOINT: | >107°C (PMCC) | VAPOUR DENSITY: | Heavier than air |

EXPLOSION PROPERTIES: Not explosive VAPOUR PRESSURE: Propiconazole, 5.6 x 10(2) mPa @ 25°C
SOLUBILITY: Emulsifiable in water
OTHER DATA:
OCTANOL / WATER PARTITION COEFFICIENT: Propiconazole, 3.51

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Stable under normal conditions but protect from sunlight open flame and sources of heat.

MATERIALS TO AVOID: Strong oxidising agents, acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorides carbon monoxide and oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 rat >2000 mg/kg (propiconazole)

ACUTE DERMAL: LD50 rat >2000 mg/kg (propiconazole)

ACUTE INHALATION: LC50 rat (4 hours) 9.45 mg/L.

OTHER TOXICITY INFORMATION: Warning - May cause skin irritation, avoid skin contact.

Warning - May cause eye irritation, avoid contact with eyes.

Warning - May cause organ damage from repeated oral exposure at high doses.

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: Very toxic to fish. Fish LC 50 (96 hr) for rainbow trout: 8.03 mg/L.

Soil Toxicity: Not toxic to worms.

Terrestrial Vertebrates - Birds: Not toxic to birds.

Terrestrial Invertebrates - Bees: Not toxic to bees.

13. DISPOSAL CONSIDERATIONS:

Triple rinse container and add residue to spray tank. Burn the container if circumstances, especially wind direction permit. Otherwise bury in a landfill. Avoid contamination of any water supply with chemical or empty container. Do not use the container for any other purpose.

14. TRANSPORT INFORMATION:

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S

UN Hazard Class: 9.

UN Number: 3082

Packing Group: III

Hazchem Code: 2X

Additional Information: Contains Propiconazole

15. REGULATORY INFORMATION:

Approved Handler

An approved handler is required when this substance is being applied by a commercial contractor, or directly into or on to water.

If an approved handler is present at the facility where the substance is being handled, or the approved handler has provided guidance to the person in respect to the handling of the product and is present at all times a non approved handler may handle the product. Note: The approved handler can be in contact by the use of a cellphone.

Record Keeping.

A written record of each application or discharge must be kept if more than 3 Kg is applied within 24 hours in a place where the substance is likely to enter air or water and leave the place.

This product DOES NOT have Tracking Requirements.

See the ERMA Website for more details: www.ermanz.govt.nz

ERMA Approval Code: HSR001740

ACVM Pesticide Number: P007377

16. OTHER INFORMATION:

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.