

Material Safety Data Sheet

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

PRODUCT NAME: **Tribute SC**
MANUFACTURER: Zelam Ltd
SUPPLIER NAME: Zelam Ltd
SUPPLIER ADDRESS: 13-15 Hudson Rd, Bell Block, New Plymouth, New Zealand
SUPPLIER PHONE: +64 6 7559234 SUPPLIER FAX: +64 6 7551174
EMERGENCY PHONE: 0800 243 622, 0800 CHEMCALL INTERNATIONAL EMERGENCY PHONE: +64 3 353 0199
CHEMICAL FAMILY: Benzimidazole/Azole USE: Fungicide

2. HAZARDS IDENTIFICATION:

6.1D; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.
6.9A; Toxic - may cause organ damage from repeated oral exposure at high doses.
9.1B; Toxic to fish with long-lasting effects. Avoid contamination of any water supply with product or empty container.
9.2C; Harmful to the soil environment.
9.3C; Harmful to terrestrial vertebrates [birds].
Refer to Section 15 for ERMA Requirements.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Inerts		<62 %	
Triadimenol	55219-65-3	35 %	Class 6,9.

4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation persists.
SKIN CONTACT: Immediately flush with plenty of water while removing contaminated clothing. DO NOT scrub the skin. Continue for at least 15 minutes. Wash clothing before reuse.
INHALATION: If ill-effects occur, remove to fresh air. If ill-effects persist, see a doctor. If swallowed, rinse mouth with water immediately. DO NOT induce vomiting. Seek medical attention.
INGESTION: If swallowed, rinse mouth with water immediately. DO NOT induce vomiting. Seek medical attention.
NOTES TO DOCTOR: No specific antidote. Treat symptomatically.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: Non Flammable. HAZCHEM CODE: 2X
FLAMMABLE LIMITS:
EXTINGUISHING MEDIA: Foam, Carbon dioxide, Dry chemical or Water spray (fog).
THERMAL DECOMPOSITION PRODUCTS: None.
SPECIAL FIRE FIGHTING METHODS: Addition of water may cause excessive foaming. Vapours may be toxic. Self contained breathing apparatus required. Do not allow contaminated runoff to enter drains.
UNUSUAL FIRE OR EXPLOSION HAZARDS: None.

6. ACCIDENTAL RELEASE MEASURES:

Spills may be slippery and should be cleaned up immediately. Use appropriate protective equipment.
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.

7. HANDLING AND STORAGE:

Harmful - Keep out of reach of children.
Store in original container, tightly closed away from foodstuffs.
Wear eye protection. Impervious gloves should be worn at all times. Wear other personal protective equipment appropriate to the situation when handling product. Wash protective clothing daily after work.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: No exposure limits (WES or EELs) have been specifically assigned for this product.
TEL values for Triadimenol: ADE = 0.05 mg/kg bw/day
PDE (food) = 0.04 mg/kg bw/day
PDE (drinking water) = 0.01 mg/kg bw/day.
EYE PROTECTION: Chemical goggles or face shield when handling.
RESPIRATORY PROTECTION: Air respirator with organic vapour canister or self contained breathing apparatus when exposed to vapours from heated material.
PROTECTIVE CLOTHING: PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.
VENTILATION: General (mechanical) room ventilation is considered satisfactory.
HYGIENE PRECAUTIONS: Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands before breaks and after work. The use of a skin barrier cream is useful to give additional skin protection.

Material Safety Data Sheet

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: Off white cream aqueous suspension concentrate.
BOILING POINT: 100°C. pH: 7.
DENSITY: 1.09 SETTING POINT: Not available.
DECOMPOSITION TEMP: Not available. AUTOIGNITION TEMP: Not applicable.
FLASHPOINT: Not applicable. VAPOUR DENSITY: Not available.
EXPLOSION PROPERTIES: Not applicable. VAPOUR PRESSURE: Not available.
SOLUBILITY: Miscible in water.
OTHER DATA:
OCTANOL / WATER PARTITION COEFFICIENT: Not available.

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: None.
MATERIALS TO AVOID: None.
HAZARDOUS DECOMPOSITION: None.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 (male rat) 700 mg/kg [Triadimenol tech]
ACUTE DERMAL: LD50 (rats) >5000 mg/kg.
ACUTE INHALATION: LC50 (4h) for rats > 0.9mg/L [Triadimenol tech]
OTHER TOXICITY INFORMATION:
May be harmful if swallowed, inhaled or absorbed through the skin.
Not likely to be absorbed in acutely toxic amounts. Mild dermal irritation at 500 mg/kg.
May cause organ damage from repeated oral exposure at high doses.

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: LC50 (96h) bluegill sunfish; 15 mg/L [Triadimenol tech]
Soil Toxicity: LC50 Eisenia foetida; 772 mg/kg dry soil [Triadimenol tech]
Terrestrial Vertebrates - Birds: LD50 bobwhite quail; >2000 mg/kg [Triadimenol tech]
Terrestrial Invertebrates - Bees: Not toxic to bees.

Toxic to fish/aquatic organisms with long lasting effects. Avoid contamination of any water supply with this product or empty container.
Harmful to the soil environment
Harmful to terrestrial vertebrates [birds].

13. DISPOSAL CONSIDERATIONS:

Triple rinse empty container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury in an approved landfill.
Dispose of product only by using according to this label, or at an approved disposal facility.
Avoid contamination of any water supply or stream with product or empty container.

14. TRANSPORT INFORMATION:

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Triadimenol)
UN Number: 3082 UN Hazard Class: 9
Packing Group: III Hazchem Code: 2X

Additional Information: Do not carry more than 10 L of this product on a passenger service vehicle
IATA Special Provision A197 applies for containers 5L or less. Not restricted under Special Provision A197

15. REGULATORY INFORMATION:

No Approved Handler, Tracking Requirements, or Record Requirements.

Tribute SC shall NOT be applied onto or into water.

Approved pursuant to the HSNO Act 1996. NZ EPA Approval Code: HSR001615 See <www.epa.govt.nz> for controls.
Registered pursuant to the ACVM Act 1997. ACVM Pesticide No: P007174 See <www.nzfsa.govt.nz> for registration conditions.

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 product's properties.