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

PRODUCT NAME: **TRIBUTE SC**
MANUFACTURER: Lonza NZ Ltd
SUPPLIER NAME: Lonza NZ 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 4 917 9888
CHEMICAL FAMILY: Azole/benzimidazole 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/aquatic organisms with long-lasting effects.
9.2C; Harmful to the soil environment.
9.3C; Harmful to terrestrial vertebrates [birds].
Refer to Section 15 for NZ EPA Requirements.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Triadimenol	55219-65-3	30 - 40	
Other ingredients		Balance	

4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Get medical attention if irritation persists.
SKIN CONTACT: Immediately flush with plenty of water while removing contaminated clothing. Continue for at least 15 minutes. Wash clothing before reuse.
INHALATION: If ill-effects occur, move the victim to fresh air. If ill effects persist, seek medical assistance.
INGESTION: If swallowed, rinse mouth with water immediately. DO NOT induce vomiting. Seek medical attention.
NOTES TO DOCTOR: Treat symptomatically.

5. FIRE FIGHTING MEASURES:

FLASHPOINT:	Not applicable.	HAZCHEM CODE:	2X
FLAMMABLE LIMITS:	Not applicable.		
EXTINGUISHING MEDIA:	Dry chemical, water spray (fog), foam or carbon dioxide.		
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 run-off to enter drains.		
UNUSUAL FIRE OR EXPLOSION HAZARDS:	None.		

6. ACCIDENTAL RELEASE MEASURES:

Spills may be slippery and should be cleaned up immediately. Clear area of unnecessary personnel. 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. It may be disposed of as an industrial waste in a manner acceptable to good waste management practice at an approved disposal facility and in compliance with all regulations.

7. HANDLING AND STORAGE:

Harmful - Keep out of reach of children.
Store in original container, tightly closed away from food, food related materials, animal feedstuffs, seed or fertilizer. Store in accordance with NZS 8409 - Management of Agrichemicals.
Wear eye protection. Impervious gloves should be worn at all times. Wear other personal protective equipment appropriate to the situation when handling product, eg Full body cover [ankle to wrist clothing and boots].
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 where splash may occur.
RESPIRATORY PROTECTION: Air respirator with organic vapour canister or self contained breathing apparatus when exposed to mists or vapours from heated material.
PROTECTIVE CLOTHING: Chemical resistant gloves should be worn when handling this product. Avoid skin contact. If contamination of clothing is likely, protective clothing [waterproof hat, coat, trousers and boots] should be worn.
Wash protective clothing daily after work.
VENTILATION: General (mechanical) room ventilation is considered satisfactory.

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

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: Off -white to cream aqueous suspension
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: Triadimenol 0.0006 mPa 20°C.
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 Rats: 700 mg/kg (Triadimenol tech).
ACUTE DERMAL: LD50 Rats: >5000 mg/kg (Triadimenol tech).
ACUTE INHALATION: LC50 (4h) Rats: >0.9 mg/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).

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:

15. REGULATORY INFORMATION:

This product DOES NOT have Approved Handler, Tracking, or Record Keeping Requirements.

This product 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.