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

PRODUCT NAME: **SALUTE**  
MANUFACTURER: Lonza NZ Ltd  
SUPPLIER NAME: Lonza NZ Ltd  
SUPPLIER ADDRESS: PO Box 7142, NEW PLYMOUTH, New Zealand  
SUPPLIER PHONE: SUPPLIER FAX:  
EMERGENCY PHONE: null INTERNATIONAL EMERGENCY PHONE: +64 4 917 9888  
CHEMICAL FAMILY: Strobilurin USE: Fungicide

**2. HAZARDS IDENTIFICATION:**

6.1D; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.  
6.3B; Harmful - may cause skin irritation. Avoid contact with skin.  
6.4A; Harmful - may cause eye irritation. Avoid contact with eyes.  
6.9B; Harmful - may cause organ damage from repeated oral exposure at high doses.  
9.1B; Toxic to fish/aquatic organisms with long-lasting effects.  
Refer to Section 15 for NZ EPA Requirements.

**3. COMPOSITION / INFORMATION ON INGREDIENTS:**

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Azoxystrobin	131860-33-8	25	
Propylene Glycol	57-55-6	< 5	
Inerts		Balance	

**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 mist or vapour is inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Call a doctor.  
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: Not applicable. HAZCHEM CODE: 2X  
FLAMMABLE LIMITS: Not available.  
EXTINGUISHING MEDIA: Foam, Carbon dioxide, Dry chemical or Water spray (fog).  
THERMAL DECOMPOSITION PRODUCTS: Thermal decomposition may release ammonia, carbon monoxide and carbon dioxide and oxides of nitrogen.  
SPECIAL FIRE FIGHTING METHODS: 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:**

Use appropriate protective equipment. 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.

**7. HANDLING AND STORAGE:**

Harmful - Keep out of reach of children.  
Store in original container, tightly closed in a cool, well ventilated place, away from food or food related materials.  
Wear 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 (TEL, or EELs) have been specifically assigned for this product.  
WES set for Propane-1,2-diol [CAS 57-55-6] - 8h TWA (vapour & particulates): 150 ppm - 474 mg/m<sup>3</sup>.  
EYE PROTECTION: Avoid contact with eyes, wear chemical goggles or face shield where splash may occur.  
RESPIRATORY PROTECTION: Not normally required. Exceptions: during the formation of mists or aerosols or in the case of fire.  
PROTECTIVE CLOTHING: Avoid skin contact wear chemical resistant gloves whenever handling this product.  
If skin contact or contamination of clothing is likely, protective clothing [impervious gloves, waterproof hat, coat, trousers and boots] should be worn. Wash protective clothing daily after work.  
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.

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**9. PHYSICAL AND CHEMICAL PROPERTIES:**

APPEARANCE / STATE / ODOUR: White Liquid  
BOILING POINT: Not available. pH: 5 - 7  
DENSITY: 1.075 SETTING POINT: Not available.  
DECOMPOSITION TEMP: Not applicable. AUTOIGNITION TEMP: Not applicable.  
FLASHPOINT: Not applicable. VAPOUR DENSITY: 8.25 x 10exp-13  
EXPLOSION PROPERTIES: None. VAPOUR PRESSURE: Not available.  
SOLUBILITY: Dispersible in water. 6 mg/L azoxystrobin solubility in water.  
OTHER DATA:  
OCTANOL / WATER PARTITION COEFFICIENT: Kow logP = 2.5 [20 °C] azoxystrobin

**10. STABILITY AND REACTIVITY:**

CONDITIONS TO AVOID: None.  
MATERIALS TO AVOID: None.  
HAZARDOUS DECOMPOSITION Thermal decomposition may release ammonia, carbon monoxide and carbon dioxide and oxides of nitrogen.  
Hazardous polymerisation will not occur.

**11. TOXICOLOGICAL INFORMATION:**

ACUTE ORAL: LD50 Rats: >5000 mg/Kg for azoxystrobin  
ACUTE DERMAL: LD50 Rats: >2000 mg/Kg for azoxystrobin  
ACUTE INHALATION: LC50 (4hr) female rats: 0.69 mg/L for azoxystrobin  
OTHER TOXICITY INFORMATION:  
May be harmful if swallowed, inhaled or absorbed through the skin.  
May cause skin and eye irritation. Avoid contact with skin or eyes.  
May cause organ damage from repeated oral exposure at high doses.

**12. ECOLOGICAL INFORMATION:**

Aquatic Toxicity: LC50 (96h) fish 1.84 mg/L (by calculation).  
Soil Toxicity: LC50 Eisenia foetida; 238 mg/kg dry soil or Soil DT50; 14 days. [azoxystrobin tech].  
Terrestrial Vertebrates - Birds: LD50 birds >2000 mg/kg [azoxystrobin tech].  
Terrestrial Invertebrates - Bees: LD50; >25 µg/bee [azoxystrobin tech].

Toxic to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.

**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 (Azoxystrobin)  
UN Number: 3082 UN Hazard Class: 9  
Packing Group: III Hazchem Code: 2X  
Additional Information: IATA Special Provision A197 applies for containers 5L or less (not restricted).  
Do not carry more than 1 L of this product on a passenger service vehicle.

**15. REGULATORY INFORMATION:**

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

Salute shall NOT be applied onto or into water.

Approved pursuant to the HSNO Act 1996. NZ EPA Approval Code: HSR100546 See <www.epa.govt.nz> for controls.  
Registered pursuant to the ACVM Act 1997. ACVM Pesticide No: P008417 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.