

www.lonza.co.nz

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

PRODUCT NAME: **NEXUS**  
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: Phenylpyrrole & pyridinamine USE: Fungicide

**2. HAZARDS IDENTIFICATION:**

6.1D; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.  
8.3A; Danger - this product is corrosive and may cause eye damage. Avoid eye contact.  
6.5B; Harmful - may cause skin sensitization from prolonged skin contact. Avoid skin contact.  
6.8B; Harmful - may cause reproductive/development damage from repeated oral exposure.  
6.9B; Harmful - may cause organ damage from repeated oral exposure at high doses.  
9.1A; Very 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:
Fluazinam	79622-59-6	12	
Fludioxonil	131341-86-1	10	
Inerts		Balance	

**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: 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 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, 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 flammable HAZCHEM CODE: 2X

FLAMMABLE LIMITS:

EXTINGUISHING MEDIA: Water spray (fog), foam.

THERMAL DECOMPOSITION PRODUCTS: 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:**

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 in a land fill and in compliance with all regulations.

**7. HANDLING AND STORAGE:**

Harmful - Keep out of reach of children.  
Store in original container, tightly closed under lock and key and away from food, food related materials, animal feedstuffs, seed or fertilizer.  
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: The following acceptable daily exposure [ADE] value applies; Fludioxonil; 0.59 mg/kg bw/day. No other exposure limits (WES, TEL, or EELs) have been specifically assigned for this product.

EYE PROTECTION: Chemical goggles or face shield when handling.

RESPIRATORY PROTECTION: Not normally required. Exceptions: during the formation of mists or aerosols or in the case of fire.

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

VENTILATION: General and local exhaust ventilation adequate.

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.

www.lonza.co.nz

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

APPEARANCE / STATE / ODOUR:	Yellow Liquid		
BOILING POINT:	Not available	pH:	5 - 6
DENSITY:	1.1	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:	Dispersible in water		
OTHER DATA:			
OCTANOL / WATER PARTITION COEFFICIENT:	Not available		

**10. STABILITY AND REACTIVITY:**

CONDITIONS TO AVOID: Product is stable under normal temperatures and pressures.  
MATERIALS TO AVOID: None  
HAZARDOUS DECOMPOSITION: None

**11. TOXICOLOGICAL INFORMATION:**

ACUTE ORAL: LD50 Rats: >12300 mg/Kg (by calculation)  
ACUTE DERMAL: LD50 Rats: > 9000 mg/Kg (by calculation)  
ACUTE INHALATION: LC50 Rats [4h]: 3.39 mg/L (by calculation)

**OTHER TOXICITY INFORMATION:**

May be harmful if swallowed, inhaled or absorbed through the skin.  
Danger - this product is corrosive and may cause eye damage. Avoid eye contact.  
May cause skin sensitization from prolonged skin contact. Avoid skin contact.  
May cause reproductive/development damage from repeated oral exposure.  
May cause organ damage from repeated oral exposure at high doses.

**12. ECOLOGICAL INFORMATION:**

Aquatic Toxicity: Fish LC 50 (96 hr): 0.72 mg/L [by calculation]  
Soil Toxicity: Not toxic to soil environment  
Terrestrial Vertebrates - Birds: Not toxic to birds  
Terrestrial Invertebrates - Bees: Not toxic to bees.

Very 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 a 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 (Fluazinam & Fludioxonil)  
UN Number: 3082 UN Hazard Class: 9  
Packing Group: III Hazchem Code: 2X  
Additional Information: Do not carry more than 1 litre of this product on a passenger service vehicle.

**15. REGULATORY INFORMATION:**

APPROVED HANDLER: The product must be under the personal control of an approved handler when:  
a) the product is applied in a wide dispersive manner; or  
b) used by a commercial contractor.  
However, it may be handled by a person who is not an approved handler if:  
- an approved handler is present at the facility where the substance is being handled; and  
- the approved handler has provided guidance to the person in respect to the handling of the product; and  
- the approved handler is available at all times to provide assistance if necessary.

Nexus shall be applied via ground-based methods only and shall NOT be applied onto or into water.

RECORD KEEPING: A written record of use is required if 3 kg or more of this product is used within 24 hours in a place where:  
a) public may lawfully be present; or  
b) the substance is likely to enter air or water supply and leave the place where it is under control.  
The information must be kept for a minimum of three [3] years.

Approved pursuant to the HSNO Act 1996. NZ EPA Approval Code: HSR100629 See <www.epa.govt.nz> for controls.  
Registered pursuant to the ACVM Act 1997. ACVM Pesticide No: P008558 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.