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

PRODUCT NAME: **MORTAR**  
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: USE: Insecticide

**2. HAZARDS IDENTIFICATION:**

6.1E; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.  
6.3B; Harmful - may cause skin irritation. Avoid contact with skin.  
6.9B; Harmful - may cause organ damage from repeated oral exposure at high doses.  
9.1D; Harmful 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:
Buprofezin	69327-76-0	<42 %	
Inerts		15	
Water		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: Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. DO NOT scrub the skin. Wash clothing before reuse.  
INHALATION: If ill-effects occur, move the victim to fresh air. If ill-effects persist, consult 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: 2 [Z]  
FLAMMABLE LIMITS: Not applicable.  
EXTINGUISHING MEDIA: Foam, Carbon dioxide, Dry chemical or Water spray (fog).  
THERMAL DECOMPOSITION PRODUCTS: Avoid inhalation of mists and vapours from heated material.  
SPECIAL FIRE FIGHTING METHODS: None  
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.

**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.  
Wear eye protection and impervious gloves when handling  
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, TEL, or EELs) have been specifically assigned for this product.  
EYE PROTECTION: Chemical goggles or face shield where splash may occur.  
RESPIRATORY PROTECTION: Not normally required. Exceptions: in the case of fire or during the formation of mists or aerosols.  
PROTECTIVE CLOTHING: 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: 100 °C  
DENSITY: 1.08  
DECOMPOSITION TEMP: Not available.  
FLASHPOINT: Not applicable.  
EXPLOSION PROPERTIES: Not applicable.  
SOLUBILITY: Miscible in water  
OTHER DATA: None.  
OCTANOL / WATER PARTITION COEFFICIENT: Not available.

pH:	6.8
SETTING POINT:	Not available.
AUTOIGNITION TEMP:	Not applicable.
VAPOUR DENSITY:	Not available.
VAPOUR PRESSURE:	Not available.

**10. STABILITY AND REACTIVITY:**

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

**11. TOXICOLOGICAL INFORMATION:**

ACUTE ORAL: LD50 Oral for rats: 4.8 g/Kg [by calculation.]  
ACUTE DERMAL: LD50 Dermal for rats: 9.4 g/Kg [by calculation.]  
ACUTE INHALATION: LC50 for rats (4hr): 10.8 mg/L [by calculation.]  
OTHER TOXICITY INFORMATION:  
May be harmful if swallowed, inhaled or absorbed through the skin.  
May cause skin irritation. Avoid contact with skin.  
May cause organ damage from repeated oral exposure at high doses. Target organ - liver.

**12. ECOLOGICAL INFORMATION:**

Aquatic Toxicity: LC50; 3.4 mg/L. [Buprofezin tech]  
Soil Toxicity: Not toxic to soil environment  
Terrestrial Vertebrates - Birds: Not toxic to birds.  
Terrestrial Invertebrates - Bees: Slightly harmful to bees.

Harmful to fish/aquatic organisms with long lasting effects. Avoid contamination of any water supply with this 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: Not Classified as Dangerous Goods for Transport (Buprofenzin)  
UN Number: N/A  
Packing Group: N/A  
Additional Information: Do not carry more than 10 litres of this product on a passenger service vehicle.

UN Hazard Class:	N/A
Hazchem Code:	2Z

**15. REGULATORY INFORMATION:**

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

Mortar shall NOT be applied onto or into water.

Approved pursuant to the HSNO Act 1996. NZ EPA Approval Code: HSR002487 See <www.epa.govt.nz> for controls.  
Registered pursuant to the ACVM Act 1997. ACVM Pesticide No: P007544 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.