

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

HEADLAND VERTEX HI N

SUPPLIER NAME: Zelam Limited
MANUFACTURER: Headland Agrochemicals Ltd
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand
SUPPLIER PHONE: +64 6 755 9234 SUPPLIER FAX: +64 6 755 1174
EMERGENCY PHONE: 0800 243 622, 0800 CHEMCALL INTERNATIONAL EMERGENCY PH: +64 3 353 0199
CHEMICAL FAMILY: USE: Foliar fertiliser.

2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Inerts		Balance	
Mineral mixture		< 4	

3. HAZARDS IDENTIFICATION:

Not considered a hazardous substance.

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 skin. 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: 2 [Z]
FLAMMABLE LIMITS: Not applicable
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide, halon
THERMAL DECOMPOSITION PRODUCTS: In combustion toxic fumes emitted.
SPECIAL FIRE FIGHTING METHODS: Self contained breathing apparatus required.
UNUSUAL FIRE OR EXPLOSION HAZARDS:

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 in a cool, well ventilated place, away from direct sunlight and extreme heat. Keep container, tightly closed away from food, food related materials or animal feedstuffs.
Wear eye protection and impervious gloves. Wear other personal protective equipment appropriate to the situation when handling product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: No exposure limits (WES, TEL, or EELs) have been specifically assigned for this product.
EYE PROTECTION: Avoid contact with eyes. Wear a face shield or full chemical workers goggles when there is a risk of a splash.
RESPIRATORY PROTECTION: Not normally required.
PROTECTIVE CLOTHING: Impervious gloves should be worn when handling this product. Avoid skin contact. Wear other protective clothing such as overalls and boots when using this product. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: Blue Liquid
BOILING POINT: Not available pH: ~ 4
DENSITY: 1.33 SETTING POINT: Not available
DECOMPOSITION TEMP: Not applicable 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: The data given here is based on current knowledge and experience. The purpose of this safety data sheet is
OCTANOL / WATER PARTITION COEFFICIENT: Not available

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Product is stable under normal temperatures and pressures.

MATERIALS TO AVOID: Avoid strong acids and strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS: In combustion toxic fumes emitted.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: Not determined

ACUTE DERMAL: Not determined

ACUTE INHALATION:

OTHER TOXICITY INFORMATION: This product should present no significant problems if used as intended.

Contact to the skin and eyes may cause mild irritation and redness. Avoid eye and skin contact,

12. ECOLOGICAL INFORMATION:

Not likely to be toxic.

The product is expected to biodegrade in the environment. Bio-accumulation is considered unlikely.

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 suitable 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

UN Hazard Class: N/A

UN Number: N/A

Packing Group: N/A

Hazchem Code: 2 [Z]

Additional Information: Contains nitrogen

15. REGULATORY INFORMATION:

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

Not Regulated by NZ EPA.

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.