

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

### HEADLAND PANDA

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: Micronutrient fertiliser

## 2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Calcium Nitrate	10124-37-5	< 45	

## 3. HAZARDS IDENTIFICATION:

Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.  
Harmful - may cause skin irritation. Avoid contact with skin.  
Toxic to terrestrial vertebrates [birds]

Refer to Section 15 for NZ EPA Requirements.

## 4. FIRST - AID MEASURES:

EYE CONTACT: Flush affected eyes with flowing water for at least 15 minutes. Get prompt medical attention.  
SKIN CONTACT: Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. DO NOT scrub skin. Seek medical attention if irritation persists. Wash clothing before reuse.  
INHALATION: Avoid inhalation of spray or mists which are likely to be highly irritating. Remove to a source of fresh air and seek medical advice.  
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 X  
FLAMMABLE LIMITS: Not available  
EXTINGUISHING MEDIA: Dry chemical, foam, water spray (fog) or carbon dioxide.  
THERMAL DECOMPOSITION PRODUCTS: Vapours may be toxic. Self contained breathing apparatus required.  
SPECIAL FIRE FIGHTING METHODS: Do not allow contaminated run-off to enter drains.  
UNUSUAL FIRE OR EXPLOSION HAZARDS:

## 6. ACCIDENTAL RELEASE MEASURES:

Use appropriate personal protective equipment such as gloves protective eye glasses and impervious vinyl or tyvec outer clothing. 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.

## 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.  
Chemical resistant gloves and eye protection should be worn when handling this product. Recommended to have a source of fresh water available for flushing skin and eyes.  
Wear other 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: Avoid contact with eyes. Wear a face shield or full chemical workers goggles when there is a risk of a splash.  
RESPIRATORY PROTECTION: Avoid breathing in mist or aerosol from the product. Use an appropriate respirator if exposed to the mist or aerosol from the product.  
PROTECTIVE CLOTHING: Avoid skin contact. 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.

### **9. PHYSICAL AND CHEMICAL PROPERTIES:**

APPEARANCE / STATE / ODOUR: Clear yellow liquid

BOILING POINT:	Not available	pH:	2 - 3.5
DENSITY:	1.50	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:			
OCTANOL / WATER PARTITION COEFFICIENT:	Not available		

### **10. STABILITY AND REACTIVITY:**

CONDITIONS TO AVOID: Product is stable under normal temperatures and pressures. Do not allow to freeze, store above 5 °C.  
MATERIALS TO AVOID: None known.  
HAZARDOUS DECOMPOSITION PRODUCTS: None known.

### **11. TOXICOLOGICAL INFORMATION:**

ACUTE ORAL: LD50: > 5000 mg/kg.bw (by calculation)  
ACUTE DERMAL: LD50: > 5000mg/kg.bw (by calculation)  
ACUTE INHALATION:  
OTHER TOXICITY INFORMATION: 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.

### **12. ECOLOGICAL INFORMATION:**

9.3B; Toxic to terrestrial vertebrates [birds]

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 Calcium Nitrate		

### **15. REGULATORY INFORMATION:**

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

NZ EPA Approval Code: Fertilisers (Subsidiary Hazard) HSR002571  
See the NZ EPA Website for more details: [www.epa.govt.nz](http://www.epa.govt.nz)

### **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.