

## Safety Data Sheet

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

PRODUCT NAME: **Headland Promise**  
MANUFACTURER: Zelam Ltd  
SUPPLIER NAME: Zelam 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: USE: Micronutrient

### 2. HAZARDS IDENTIFICATION:

6.4A; Harmful - may cause eye irritation. Avoid contact with eyes.

Refer to Section 15 for NZ EPA Requirements.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Magnesium Hydroxide	1309-42-8	50	
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: Avoid inhalation of spray or mists which may be 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: Ingestion may irritate digestive tract.. Avoid lung aspiration. Treat symptomatically.

### 5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not applicable. HAZCHEM CODE: 2 [Z]

FLAMMABLE LIMITS:

EXTINGUISHING MEDIA: Dry chemical, foam, water spray (fog) or carbon dioxide.

THERMAL DECOMPOSITION PRODUCTS: None.

SPECIAL FIRE FIGHTING METHODS

UNUSUAL FIRE OR EXPLOSION HAZARDS:None.

### 6. ACCIDENTAL RELEASE MEASURES:

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 run-off 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 or seed. Store above 5 °C.  
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: 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: PVC-coated gloves. Avoid skin contact. Wear other protective clothing such as waterproof hat, coat and trousers (worn outside rubber boots) when using. 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 opaque liquid		
BOILING POINT:	Not available.	pH:	9 - 10
DENSITY:	1.44	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:	Miscible in water.		
OTHER DATA:			
OCTANOL / WATER PARTITION COEFFICIENT:	Not available.		

### 10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID:	None.
MATERIALS TO AVOID:	Avoid strong acids.
HAZARDOUS DECOMPOSITION	None.

### 11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL:	LD50: >2000 mg/Kg.bw (by calculation)
ACUTE DERMAL:	LD50: >2000 mg/Kg.bw (by calculation)
ACUTE INHALATION:	
OTHER TOXICITY INFORMATION:	May cause eye irritation. Avoid contact with eyes.

### 12. ECOLOGICAL INFORMATION:

This product is expected to be of low toxicity to aquatic organisms. However 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 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:	Not Classified as Dangerous Goods for Transport (Magnesium hydroxide)		
UN Number:	N/A	UN Hazard Class:	N/A
Packing Group:	N/A	Hazchem Code:	2 [Z]
Additional Information:			

### 15. REGULATORY INFORMATION:

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

NZ EPA Approval Code: Fertilisers (Subsidiary Hazard) Group Standard, 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.