

Safety Data Sheet

Headland Mo-Bo

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

PRODUCT NAME: **Headland Mo-Bo**
MANUFACTURER: Headland Agrochemicals
SUPPLIER NAME: Zelam 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: Micronutrient

2. HAZARDS IDENTIFICATION:

Not considered a hazardous substance.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Boron Ethanolamine	283-56-7	< 10	
Sodium Molybdate	10102-40-6	< 5	
Inerts		Balance	

4. FIRST - AID MEASURES:

EYE CONTACT: Hold eyelids open and immediately flush eyes with flowing water for at least 15 minutes. Get prompt medical attention.

SKIN CONTACT: Immediately flush with plenty of water while removing contaminated clothing. Continue for at least 15 minutes. Wash clothing before reuse. Seek medical attention.

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: Treat symptomatically.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not applicable HAZCHEM CODE: 2 [Z]
FLAMMABLE LIMITS:
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide, halon
THERMAL DECOMPOSITION PRODUCTS: In combustion emits toxic fumes.
SPECIAL FIRE FIGHTING METHODS Use self-contained breathing apparatus.
UNUSUAL FIRE OR EXPLOSION HAZARDS:

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, in a well ventilated place, away from food, food related materials, animal feedstuffs, seed or fertilizer. Do not allow to freeze, store above 5 °C
Do not handle in a confined space. Ensure there is sufficient ventilation in the area.
Wear eye protection. Impervious gloves should be worn at all times. Ensure
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: Not normally required. Exceptions: during the formation of mists or aerosols or in the case of fire.

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:	Colourless liquid		
BOILING POINT:	Not available	pH:	8
DENSITY:	1.27 - 1.29	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:	Soluble 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. Avoid heat.
MATERIALS TO AVOID:	Avoid strong oxidising agents, strong acids.
HAZARDOUS DECOMPOSITION	Thermal decomposition may release toxic fumes.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL:	Not considered to be toxic
ACUTE DERMAL:	Not considered to be toxic
ACUTE INHALATION:	
OTHER TOXICITY INFORMATION:	
	This product should present no significant problems if used as intended.
	May cause mild skin and eye irritation. Avoid contact with skin or eyes.

12. ECOLOGICAL INFORMATION:

Not likely to be toxic to the environment.
Biodegradable and no bioaccumulation potential.

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	(Boron ethanolamine & sodium molybdate)
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.
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.