

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

HEADLAND BORON 150

SUPPLIER NAME: Zelam Limited
MANUFACTURER: Headland Agrochemicals Ltd
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand
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CHEMICAL FAMILY: USE: Micronutrient

2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Boron ethanalamine	283-56-7	< 15	
Inerts		Balance	

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 occurs or 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 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: 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.
THERMAL DECOMPOSITION PRODUCTS: In combustion emits toxic fumes.
SPECIAL FIRE FIGHTING METHODS: Use self-contained breathing apparatus.
UNUSUAL FIRE OR EXPLOSION HAZARDS: None.

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. 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: Chemical goggles or face shield where splash may occur.
RESPIRATORY PROTECTION: Not normally required.
PROTECTIVE CLOTHING: PVC-coated gloves. Wear protective clothing such as overalls and boots when using.
Wash protective clothing daily after work.
VENTILATION: General (mechanical) room ventilation is considered satisfactory.
HYGIENE PRECAUTIONS: If skin contact or contamination of clothing is likely, protective clothing should be worn. 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: Yellow-brown liquid
BOILING POINT: Not available. pH: ~ 8
DENSITY: 1.34. 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: None
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, strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS: In combustion emits 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 has 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 UN Hazard Class: N/A

UN Number: N/A Packing Group: N/A

Hazchem Code: 2 [Z]

Additional Information: Contains Boron Ethanolamine

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 products' properties.