

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

#### LIBA 10,000

SUPPLIER NAME: Zelam Limited  
MANUFACTURER: Zelam Limited  
SUPPLIER ADDRESS: Hudson Road, 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 PH: +64 3 353 0199  
CHEMICAL FAMILY: Indole derivative USE: Plant growth regulator

### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Indole butyric acid	133-32-5	<30	
Water		balance	

### 3. HAZARDS IDENTIFICATION:

Harmful - may cause skin irritation. Avoid contact with skin.  
Harmful - may cause eye irritation. Avoid contact with eyes.  
Harmful to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.

Refer to Section 15 for NZ EPA Requirements.

### 4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Get medical attention if irritation persists.  
SKIN CONTACT: Remove contaminated clothing immediately. Flush with flowing water and wash with soap and water immediately for at least 15 minutes. Wash clothing before reuse.  
INHALATION: If ill-effects occur, move the victim to fresh air. If ill effects persist, seek medical assistance.  
INGESTION: Not expected to cause any ill effects. If swallowed, drink several glasses of water. DO NOT induce vomiting. Seek medical advice.  
NOTES TO DOCTOR: No specific antidote. Treat symptomatically.

### 5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not applicable. HAZCHEM Code: 2 [Z]  
FLAMMABLE LIMITS: Not applicable.  
EXTINGUISHING MEDIA: Non Flammable. Dry chemical, water spray (fog), foam or carbon dioxide.  
THERMAL DECOMPOSITION PRODUCTS: None.  
SPECIAL FIRE FIGHTING METHODS: None.  
UNUSUAL FIRE OR EXPLOSION HAZARDS: None.

### 6. ACCIDENTAL RELEASE MEASURES:

Use appropriate protective equipment. Clear area of unnecessary personnel. 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 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.  
Wear eye protection. Waterproof gloves should be worn at all times.  
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. Exceptions: during the formation of mists or aerosols or in the case of fire.  
PROTECTIVE CLOTHING: PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.  
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: Pink-brown to clear coloured liquid.

BOILING POINT:	Not available.	pH:	7.5 - 8.5.
DENSITY:	1.00.	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:	Mixes readily in water.		
OTHER DATA:			
OCTANOL / WATER PARTITION COEFFICIENT:	Not available.		

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

CONDITIONS TO AVOID: None.  
MATERIALS TO AVOID: None.  
HAZARDOUS DECOMPOSITION PRODUCTS: None.

## **11. TOXICOLOGICAL INFORMATION:**

ACUTE ORAL: LD50 Rats: > 5000 mg/Kg.  
ACUTE DERMAL: LD50 Rats: > 5000 mg/Kg.  
ACUTE INHALATION: LC50 Rats: > 5.0 mg/L.  
OTHER TOXICITY INFORMATION: 6.3A, Harmful - may cause skin irritation. Avoid contact with skin.  
6.4A, Harmful - may cause eye irritation. Avoid contact with eyes.

## **12. ECOLOGICAL INFORMATION:**

Aquatic Toxicity: Harmful to fish.  
Soil Toxicity: Not toxic to soil environment.  
Terrestrial Vertebrates - Birds: Not toxic to birds.  
Terrestrial Invertebrates - Bees: Not toxic to bees.

9.1C. Harmful to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.

## **13. DISPOSAL CONSIDERATIONS:**

Dispose of this product only by using according to the label, and triple rinse container before disposal at an approved landfill or Agrecovery Depot. 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 Indole butyric acid.		

Do not carry more than 1 L of this product on a passenger service vehicle

## **15. REGULATORY INFORMATION:**

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

Liba 10,000 shall NOT be applied onto or into water.

NZ EPA Approval Code: HSR000800  
ACVM Pesticide Number: P002989.  
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 products' properties.