

MATERIAL SAFETY DATA SHEET – EXTENDED

IDENTIFICATION		
PRODUCTS	Esi-Root Concentrate Ezi-Root Gel	Rooting Hormone Rooting Hormone
SUPPLIER	Kippax Packaging PO Box 460, Freshwater, NSW 2096	
CONTACT FOR ENQUIRIES	Phone Email Online	0418 456 165 admin@kippaxpackaging.com.au esi-root.com
DATE OF ISSUE	April 2025	
EMERGENCY ASSISTANCE	National Poisons Information Service 13 11 26 https://www.health.gov.au/contacts/poisons-information-centre	

STATEMENT OF HAZARDOUS NATURE	
Not classified as hazardous according to the criteria of Worksafe Australia	
HEALTH HAZARD	2
FLAMMABILITY	0
REACTIVITY	0
BODY CONTACT	2

Scale: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4

MATERIAL DETAILS	
CAS NO.	None
NIOSH NO.	None
UN No.	None
DANGEROUS GOODS CLASS	None
PACKAGING GROUP	None
IMO CLASS	None
POISON SCHEDULE	None
HAZCHEM	None
SUB RISK	None
EPG	None
IMDG PAGE	None
LABEL	No class assigned
SHIPPING NAME	Esi-Root, Ezi-Root

APPEARANCE

Esi-Root Concentrate

A clear dark blue, slightly hygroscopic liquid with little odour

Ezi-Root Liquid Gel

Clear and slightly opaque light blue gel

USE

An aid to the striking of roots on cuttings and increase propagation rates.

SYNONYMS

None

PHYSICAL PROPERTIES	
MOLECULAR WEIGHT	Not applicable
BOILING RANGE	Approximately 186C
MELTING RANGE	-
SPECIFIC GRAVITY	1.03 to 1.04
WATER SOLUBILITY	Miscible
EVAPORATION RATE	Not available
STATE
VAPOR PRESSURE	Not available
VOLATILE COMPONENT (%VOL)	
RELATIVE VAPOR DENSITY	
FLASH POINT	Not applicable
UPPER EXPLOSIVE LIMIT (%)	
LOWER EXPLOSIVE LIMIT (%)	
AUTOIGNITION TEMP	
DECOMPOSITION TEMP	Not available

INGREDIENTS	
CAS NO %	
INDOL-3-YL BUTYRIC ACID	0.16%
1-NAPHTHALACETIC ACID	0.16%
FUNGICIDE PRESERVATIVE	
WETTING AGENT	
CARRIER	

HEALTH HAZARDS - ACUTE HEALTH

EFFECTS

SWALLOWED

- 100% Pure NAA and IBA - LD50 - orally in rats: 1.0g/kg.
- Undiluted Esi-Root contains 3.2g/L of IBA/NAA combined, therefore may cause irritation to the gastrointestinal tract, or cause pain and vomiting.

EYE

- Due to the slightly acidic nature of the solution, it may cause eye irritation.
- Avoid eye contact.

SKIN

- Undiluted Esi-Root and Ezi-Root may be an irritant to the skin.
- Use gloves and avoid skin contact.
- Wash hands with soap and water prior to eating, drinking, and smoking.

INHALATION

- No hazard.

CHRONIC

- Prolonged contact may cause slight irritation or redness, avoid skin contact.

FIRST AID

SWALLOWED

- If swallowed, Contact the Poisons Information Centre or a Doctor.

EYE

- If in contact with the eyes, hold the eye open and flush out the eye - especially under the eyelids with fresh water or saline solution.
- Seek medical attention if any irritation continues.

SKIN

- If irritation occurs, remove contaminated clothing, and wash the skin thoroughly with soap and water.

INHALATION

- Not applicable.

ADVICE TO TREATING DOCTOR

Treat symptomatically. Refer to individual constituents

PRE-CAUTIONS FOR USE	
EXPOSURE LIMITS	None known
OTHER EXPOSURE INFORMATION	None
ENGINEERING CONTROLS	None
PERSONAL PROTECTION	Use gloves for normal handling
PROTECTIVE EQUIPMENT	None required
FLAMMABILITY	Non-flammable
FIRE HAZARD	None
SAFE HANDLING INSTRUCTIONS	
STORAGE AND TRANSPORT	Store in the packaging provided.
STORAGE PRECAUTIONS	Keep containers securely sealed. Store in a dry cool area. Avoid sunlight. Refrigerate where practicable, but not with food.
SHIPPING NAME (CSN)	None
SPILLS AND DISPOSAL	Wipe up or absorb with a sponge. Place in waste disposal. Do not contaminate streams, rivers, or waterways.
FIRE/ EXPLOSION HAZARD	None
HAZARDOUS REACTION	None known
ENVIRONMENTAL PROTECTION	Do not contaminate streams, rivers, or waterways. Wash out and destroy empty containers safely.

The information contained in this data sheet is accurate to the best of our knowledge as of the date issued. It is the user's obligation to assess that the product is suitable for the purpose chosen and that it is used in accordance with the instructions.