



**MATERIAL SAFETY DATA SHEET - EXTENDED**

**PRODUCT: ESI-ROOT Rooting Hormone – Liquid & Gel**

---

**IDENTIFICATION**

---

**SUPPLIER:**

Company: Kippax Packaging  
Address: 3/18 Smith Street,  
Chatswood, Sydney, NSW 2067 Australia  
Phone: 02 9417 0883  
Emergency: 0418 456 165  
Fax: 02 9417 0201

Manufacturer's Code:

**STATEMENT OF HAZARDOUS NATURE:**

Non Hazardous

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 G. 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

## PHYSICAL PROPERTIES

Molecular Weight:	Not applicable
Boiling Range:	about 186°C
Melting Range:	“
Specific Gravity:	1.03 to 1.04
Water Solubility:	Miscible
Evaporation Rate:	Not available
State:	_____
Vapour Pressure:	Not available
Volatile Component (% Vol):	“
Relative Vapour Density:	“
Flash Point:	Not applicable
Lower Explosive Limit (%):	“
Upper Explosive Limit (%):	“
Autoignition Temp©:	“
Decomposition Temp ©:	Not available

## APPEARANCE

A clear dark blue slightly viscous hygroscopic liquid with little odour, and a clear/slightly opaque light blue gel.

## INGREDIENTS

	CAS No.	%
Indol-3-Yl-Butyric Acid		0.16
1-Naphthalacetic Acid		0.16
Fungicide Preservative		
Wetting Agent		
Carrier		

## USE

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

## SYNONYMS

None

---

## HEALTH HAZARD

---

### ACUTE HEALTH EFFECTS

#### SWALLOWED

100% Pure NAA and IBA – LD<sub>50</sub> – orally in rats: 1.0g/kg. Undiluted ESI-ROOT contains 3.2g/L of IBA/NAA combined, therefore may cause irritation to the gastro-intestinal 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 may be an irritant to the skin. Use gloves and avoid skin contact. Wash hands with soap and water prior to eating, drinking or smoking.

## **INHALATION**

No hazard.

## **CHRONIC**

Prolonged contact may cause slight irritation or redness. Avoid skin contact.

## **FIRST AID**

### **SWALLOWED**

If swallowed, contact Poisons Information Centre or a doctor.

### **EYE**

If in contact with the eyes, hold eye open and flush out the eye - especially under the eyelids with fresh water or saline solution for at least 15 minutes. Seek medical attention.

### **SKIN**

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

### **INHALATION**

Not applicable.

### **OTHER**

### **ADVICE TO DOCTOR**

Treat symptomatically. Refer to individual constituents

---

---

**PRECAUTIONS FOR USE**

---

**EXPOSURE LIMITS**

Not 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 INFORMATION**

---

**STORAGE AND TRANSPORT**

Store in packaging provided.

**STORAGE PRECAUTIONS**

Keep containers securely sealed. **Store in a cool dry area. Avoid sunlight. Refrigerate where practicable, but not with foodstuffs.**

**SHIPPING NAME (CSN)**

None

**SPILLS AND DISPOSAL**

**SPILLS AND LEAKS**

Wipe up or absorb with sponge. Place in waste disposal. Do not contaminate streams, rivers or waterways.

**FIRE/EXPLOSION HAZARD**

**FIRE EXPLOSION HAZARDS**

None

**HAZARDOUS REACTION**

None known

---

**OTHER INFORMATION**

---

**ENVIRONMENTAL PROTECTION**

Do not contaminate streams, rivers or waterways. Wash out and destroy empty container safely.

---

**CONTACT POINT**

---

**Australia Poisons Information Centre**

24 Hour service	13 11 26
Police or Fire Brigade	000
Adelaide	08 8204 6117
Canberra	06 285 2852
Hobart	002 388 485
Perth	08 9381 1177
Brisbane	07 3253 8233
Darwin	089 228 842
Melbourne	0055 1 5678
Sydney	02 692 6111

**DATE OF ISSUE**

FEB 06

**DATE REVIEWED**

DEC 06

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