



# AminoFix™

AF-3000

## MATERIAL SAFETY DATA SHEET

### 1. Basic Information

Company name: Humefert Manufacturing (Pty) Ltd  
Address: PO Box 16, Blackheath, 7581, Western Cape, SOUTH AFRICA  
Contact numbers: +(27) 21-9057232  
Product Name: AminoFix: AF-3000  
Product type: Dark brown liquid  
Odor: Acidic odor  
Derived from: A liquid derived from hydrolyzed plant material  
CAS Number: 479-66-3, 56-40-6.  
EPA Number: Not regulated

Emergency Telephone: +(27) 21-8801758; CHEMTEC (24-Hours emergency number); (800) 4249300; EPA National Response Center; (800) 4248802.

### 2. Hazards Identification

Hazard Classification: Irritant  
Hazardous Ingredient CAS # Limits: None

Not known to be hazardous to man or environment

### 3. Emergency/Hazards overview

Dark brown liquid with an acidic odor. Mild irritant to eyes and skin. Avoid contact with acid substances. Not D.O.T regulated.

HEALTH: 1                      REACTIVITY: 0                      FLAMMABILITY: 0      ENVIRONMENT: 1

(0= Insignificant; 1= Slight; 2= Moderate; 3= High; 4= Extreme)

### 4. Potential Health Effects

Eyes and skin: Mild irritant, may cause redness and burning  
Ingestion: Not determined  
Inhalation: None expected, but aerosol mist may cause mild irritation of nasal mucous membranes.

### 5. First Aid Measures

Threshold Limits: N/A

<b>Effects of overexposure:</b>	Contains an acidic mixture. May be harmful if swallowed.
<b>Emergency:</b>	If ingested, dilute with large quantities of water or milk. Further dilution possible with diluted bi-carbon of soda. If spilled on skin wash off with water.
<b>First aid procedures:</b>	Contact a Physician immediately.
<b>Other health warnings:</b>	None

## ***6. Physical and Chemical data***

<b>Appearance:</b>	Dark brown to Black liquid
<b>Odor:</b>	Slightly acidic
<b>pH:</b>	2-3
<b>SG:</b>	1.03
<b>Vapor pressure:</b>	760mm Hg
<b>Boiling point:</b>	100°C
<b>Freezing point:</b>	N/A

## ***7. Stability and Reactivity***

<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	N/A
<b>Incompatibility:</b>	Contact with alkaline materials.
<b>Haz. decomposition products:</b>	None known
<b>Haz. polymerization:</b>	Will not occur

## ***8. Fire Fighting Measures***

<b>Flash point:</b>	>211°C – cleveland cup method
<b>Explosive limits:</b>	not determined
<b>Suitable extinguishing media:</b>	water, fog, foam, dust
<b>Special fire fighting procedures:</b>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<b>Unusual fire explosion hazards:</b>	None

## ***9. Accidental Release Measures***

**Steps to be taken in case material is released or spilled:**  
Flush with large volumes of water.

**Waste disposal:**  
Follow federal, state and local regulations for liquid waste.

## ***10. Handling and storage***

**Precautions to be taken:**  
Store in original container in a dry place. Keep from heating or freezing. Keep out of reach of children.  
**Other precautions:** None.

## **11. Exposure controls/personal protection**

### **Ventilation:**

Work in ventilated area

### **Personal protective equipment:**

Respiratory protection:	Use appropriate respiratory protection if working in an enclosed environment
Protective gloves:	optional
Eye protection:	wear goggles or glasses consistent for handling and applying fertilizers.
Other protective equipment:	wear clothing consistent for handling and applying fertilizers

## **12. Stability and Reactivity**

Stability:	Stable
Incompatibility	None known
Hazardous decomposition products:	If burned, CO, CO <sub>2</sub> and SO <sub>2</sub> , may be detected

## **13. Ecological Information**

Algal/Lemna growth inhibition:	Not known
Toxicity to Fish and Invertebrates:	Not known
Toxicity to plants:	None
Toxicity to birds:	None known

## **14. Transportation**

D.O.T. information.	Not D.O.T. Regulated
Other shipping description:	Fertilizing compounds – manufactured, liquid NMFC item Sub 6, LTL Class 70

## **15. Regulatory Information**

CERCLA:	None
SARA Title III, Section 313 toxic chemical:	None
PROPOSITION 65 (CA):	None

## **16. Other Information**

The above information is believed to be correct, but does not purport to be all-inclusive and shall be used only as a guide. Humefert Manufacturing shall not be held liable for any damage resulting from contact with the above product.