



HUMIX™

HUME-1200

MATERIAL SAFETY DATA SHEET

1. Basic Information

Company name: Humefert Manufacturing (Pty) Ltd
Address: PO Box 12477, Stellenbosch, 7613, SOUTH AFRICA
Contact numbers: +(27) 21-8867536
Product Name: HUMIX: HUME-1200
Product type: Dark brown liquid
Odor: Neutral odor
Derived from: A liquid derived from **Sub-bituminous coal**
CAS Number: 1415-93-6
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. 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

Effects of overexposure: Contains an alkaline mixture. May be harmful if swallowed.

Emergency: If ingested, dilute with large quantities of water or milk. Further dilution possible with diluted vinegar. If spilled on skin wash off with water.

First aid procedures: Contact a Physician immediately.

Other health warnings: None

6. Physical and Chemical data

Appearance: Dark brown to Black liquid

Odor: Slightly alkaline

pH: 9-10

SG: 1.06

Vapor pressure: 760mm Hg

Boiling point: 100°C

Freezing point: N/A

7. Stability and Reactivity

Stability: Stable

Conditions to avoid: N/A

Incompatibility: Contact with alkaline materials.

Haz. decomposition products: None known

Haz. polymerization: Will not occur

8. Fire Fighting Measures

Flash point: >211°C – cleveland cup method

Explosive limits: not determined

Suitable extinguishing media: water, fog, foam, dust

Special fire fighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire explosion hazards: 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 ₂ and SO ₂ , 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.