

Material Safety and Data Sheet - MOBIOPLUS

1. Product and Company identification

Product identification: MOBIOPLUS
Use of product: Agricultural use. Product must be stirred/shaken well before use and diluted with clean water as per application instructions.
Manufacturer: MONUTRIX PTY LTD., 40 Young Ave, Houghton Estate, Gauteng, South Africa, 2198
Emergency phone number: +27 (0)82 263 2366
Information phone number: +27 (0)72 852 5841
Email address: info@monutrix.com

2. Composition / Information on ingredients

Chemical character: MOBIOPLUS is an organic extract from the plant Moringa Oleifera mixed with water and an organic preservative.

Chemical ingredient:	CAS number:	Percentage:
Organic Moringa Oleifera extract	93165-54-9	80 - 82%
Organic Ethanol	64-17-5	10 - 12%
Water	7733-18-5	6 – 10%



3. Hazards identification

Danger symbols

4. First aid measures

General advice: If symptoms do occur or in doubt, seek medical advice. Never administer anything orally to an unconscious person.
Eye contact: Flush immediately with cold clean water. If irritation persists, contact a physician.
Skin contact: Thoroughly wash the affected area with soap and warm water. If the irritation persists, contact a physician.
Inhalation: Remove the person to fresh air and let them rest until they are fully recovered.
Ingestion: Rinse the mouth with clean water and drink plenty of water, but do not induce vomiting. Consult a physician.

5. Firefighting measures

Special hazards This product does not contain adequate quantities of volatile organic compounds for direct combustion and specific dangers are therefore not associated with the product.
Protective equipment: Wear protective clothing to protect contact with skin and eyes.
Extinguishing media: Carbon Dioxide (CO2), Foam of dry chemical.

6. Accidental release measures

Personal precautions: Follow normal safety precautions and if spillage occurs in a confined space ensure there is adequate ventilation – there are no LD50 data available for the product and the concentrations of particularly hazardous materials are so low that they are not considered a significant hazard under the recommended conditions of use.
Environmental precautions: Although not hazardous to the natural environment, prevent contamination of water ways and soil.
Methods for cleaning up: Contain the spillage with sand or earth and take up spilled material with non-flammable absorbents (sand, earth, diatomite, chemical binders) and put in appropriate container and label the container with the waste designation and dispose per the legislation. Do not use solvents.

7. Handling and storage

Safe handling advice: Avoid direct contact with skin and eyes and inhalation and ingestion, take personal protection measures and follow the protection and safety regulations.
Measures to prevent fire: No specific preventative measures are required but keep the application area well ventilated.
Requirements for storage Store in original containers (if possible) and keep tightly closed in a cool, dry, well-ventilated area (protect the products from direct sunlight and extreme heat) – the products are not defined as dangerous goods.



8. Exposure controls / Personal protection

Occupational exposure limits: OSHA PEL 15 mg/m3 (total dust), 5 mg/ m³ (respiration fraction)
Personal protection:
Respiratory Protection If the exposure limits are exceeded, a respirator approved for the purposes must be used.
Eye Protection Safety glasses with impenetrable side shields are recommended.
Skin Protection If used repeatedly, hand protection in the form of gloves is recommended.
Hygienic measures Do not eat, drink, smoke or sneeze while using the product.

9. Physical and chemical properties

Appearance / colour: A dark green to yellow -green liquid
Hazardous ingredients: Ethyl alcohol as preservative at 18% - 20% of content
Boiling point (°C): NA
Solubility Water: Soluble
Solubility Fat: Insoluble
Specific Gravity: 0.979 at 20°C
Flash point: 47.5°C (ASTM D7094)
Flammability (liquid, gas): Not flammable

10. Stability and reactivity

Stability: Stable when following the handling and storage recommendations.
Incompatibility: None known
Conditions to avoid: None known.
Hazardous decomposition: None known.

11. Toxicological information

Acute toxicity: No known effects
Skin contact: Repeated and prolonged skin contact can degrease and dry the skin, which can cause skin irritations. Splashes can cause eye irritations.
Eye contact: No known effects
Chronic toxicity: Not carcinogenic.
Carcinogenicity No known effects
Mutagenicity No known effects.
Neurotoxicity: No known effects
Reproductive hazards: Nontoxic The products classifications calculated according to conventional methods. (from the dangerous substance regulations).

12. Ecological information

Aquatic toxicity: No known effects, but entry into pipes, drains and other contact infrastructure with natural water systems should be prevented.
Biodegradability: **Product is considered highly biodegradable.**
Bioaccumulation potential: No known effects.

13. Disposal considerations

Disposal method Completely empty packaging and hand over to an authorised disposal / waste / recycling company – the waste regulations of the appropriate authorities are to be followed.

14. Transport information.

ARD/RID (Road) Not dangerous materials according to these regulations
IMDG (Maritime): Not dangerous materials according to these regulations.
IATA (Air): Not dangerous materials according to these regulations.
CN/HTS CODE 1302.13.00.10 for Vegetable Sap/Extract

15. Regulatory information

CLP (EU) - REACH All the substances of the product are non-hazardous or exempt from listing CLP (EU) – REACH as hazardous.
TCSA Certification All the substances of the product are listed, or exempt from listing on the TCSA.
National legislation: **Act 36 of 1947 FERTILIZERS, FARM FEEDS, AGRICULTURAL REMEDIES AND STOCK REMEDIES ACT** registration number: **M 197**

16. Other information

All data is based on the current knowledge of **Monutrix (Pty) Ltd** and describes the product regarding safety data and is therefore not intended to guarantee certain properties.

Issued: 5 August 2025 Version 3