



MORINGA

for
Africa Pty (Ltd)

MATERIAL SAFETY DATA SHEET

Organic Moringa Leaf Powder

1. PRODUCT AND COMPANY IDENTIFICATION

Product description:

Product name: Moringa oleifera leaf powder
INCI: Moringa oleifera leaf powder
Product type: Leaf powder
EC Market Place: Producer
Botanical family: Moringaceae
Country of origin: South Africa

Supplier:

Company name: BOTANICA NATURAL PRODUCTS (PTY) LTD.
Address: Canterbury Farm MR 254, PO BOX 360, Alldays, Limpopo 0909
Telephone: +27 71 925 5870
Fax: +27 86 669 5458
Email address: info@botanica.africa
Website: www.botanica.africa

Normal Use: Natural food supplement

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical description: Pure/ Natural (natural sourcing) Moringa oleifera leaf powder

CAS-No.: 93165-54-9

Identification numbers:

- *EINECS No:* 296-941-1
- *CTFA declaration:* Not known
- *INCI declaration:* Moringa Oleifera Leaf Powder

Status:

Organic (ECOCERT certified). Pure powder obtained by grinding after drying of Moringa oleifera leaves. No additives added.

Representative dangerous substances:

No known substances in this category.

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Other dangerous substances:

No known substances in this category.

Substances in a concentration below the minimum danger threshold.

No known substances in this category.

Other substances with occupational exposure limit values.

No known substances in this category.

3. HAZARDS IDENTIFICATION

Environmental hazards: Not to be expected if handled and used properly.

Human health hazards: Not to be expected if handled and used properly.

4. FIRST AID MEASURES

Eye contact: Rinse with plenty of water for 15 mins. Contact a doctor if symptoms persist.

Skin contact: No hazard for normal usage or handling. If irritation, flush with copious quantities of water

Ingestion: Not considered hazardous. Do not induce vomiting.

Inhalation: No vapours present at normal temperatures. Remove from the exposure to fresh air. Contact a doctor if symptoms persist.

Other: When assessing action take Risk & Safety Phrases into account (Section 15).

5. FIRE FIGHTING MEASURES

Extinguishing media: Water spray, dry chemical, carbon dioxide or foam or as appropriate for surrounding fire & material.

Special measures: Avoid vapour inhalation. Keep away from sources of ignition. Wear positive pressure self-contained breathing apparatus & protective clothing.

Extinguish procedures: Determine the need to evacuate or isolate the area according to your local emergency plan.

6. ACCIDENTAL RELEASE MEASURES

Environment precautions:

Keep away from drains, soils, surface and ground water. Report spills to appropriate Authorities if required.

Personal & safety protection:

Spillages constitute a slipping hazard. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages. Refer also to section 8.

Eliminate all ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan. *Methods for cleaning up:*

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Contain spill and recover free product. Wipe up the spillage or collect spillage using high efficiency vacuum cleaner and dispose. Avoid breathing the dust. Flush the area with hot water and detergent. Refer also to Section 13 for disposal procedures.

7. HANDLING AND STORAGE

Handling:

Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.

Storage:

Not a hazardous material. Not a scheduled poison. Containers should be kept closed in order to minimise contamination. Store in a cool, dry, well ventilated place protected from light. Keep from extreme heat and away from all sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid", Refer to Section 10.

8. EXPOSURE CONTROLS – PERSONAL PROTECTION

Protective equipment:

Skin protection:

Using chemical resistant gloves is recommended.

Eye protection:

Using goggles or face shield is recommended.

Respiratory Protection:

None generally required. Use NIOSH approved respirator in confined areas or if ventilation is inadequate. Ensure adequate ventilation to keep exposure levels to a minimum. General exhaust is recommended.

Other protective equipment:

Using chemical resistant clothing is recommended. An eyewash fountain and / or safety shower should be available in the work area.

These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions.

9. PHYSICAL PROPERTIES

Appearance:

Powder

Colour:

Greenish

<i>Odour:</i>	Characteristic
<i>Solubility of preparation in water:</i>	Min. 70% soluble in water.
<i>Solubility:</i>	Min. 70% soluble in 50% ethyl alcohol.
<i>Vapour pressure of volatile components at 50°C:</i>	Not available.
<i>Vapour Density:</i>	Not available.
<i>Physical state:</i>	Not available.
<i>Flash point range:</i>	Not available.
<i>pH when measurable:</i>	Not available.

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<i>Boiling point:</i>	Not available.
<i>Melting Point:</i>	Not available.
<i>Specific gravity:</i>	Not available.
<i>Refractive Index:</i>	Not applicable.
<i>Flammability Limits [as % v/v in Air]</i>	
<i>Lower Explosion Limit:</i>	Not available.
<i>Upper Explosion Limit:</i>	Not available.

10. STABILITY AND REACTIVITY

<i>Hazardous decomposition products:</i>	Carbon monoxide and unidentified organic compounds may be formed during combustion.
<i>Materials and/or conditions to avoid:</i>	Avoid strong acids, strong alkalis and oxidizing agents. Avoid exposure to moisture, air and light.
<i>Stability:</i>	Chemically stable, non-hazardous material. This material presents no significant reactivity hazard.
<i>Flammability:</i>	Combustible solid.
<i>Reactivity:</i>	It presents no significant reactivity hazards, by itself or in contact with water.

11. TOXICOLOGICAL INFORMATION

Contains no substances classified as dangerous according to Directive 67/548/EEC

12. ECOLOGICAL INFORMATION

<i>Biodegradability:</i>	Low persistence level and readily biodegradable.
<i>Mobility:</i>	Low mobility in the soil.
<i>Precautions:</i>	Prevent surface contamination of soil, ground & surface water.

13. DISPOSAL CONSIDERATIONS

Waste Material: Place material and / or absorbent into sealed containers and dispose of in accordance with current applicable laws and regulations. Avoid disposing to drainage systems and into the environment. Refer to local Authority advice.

Contaminated Packaging: Dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.

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Empty containers can have residues, gases and mists.
Use the proper Waste Disposal Methods & Procedures for Empties as well.

14. TRANSPORT INFORMATION

Transport the product in accordance with ADR for road transport, RID for rail transport IMDG for sea transport and ICAO/IATA for air transport.
Not classified as hazardous for transport.

15. REGULATORY INFORMATION

Not classified.

16. OTHER INFORMATION

As the users' conditions of work are not known, the information contained in this Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulations.

The product must not be employed for uses other than those specified in item 1 with our having previously obtained written handling instructions. Users are responsible for taking all measures necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our product and not as a guarantee of its properties.

This information is believed to be current and accurate. It is provided without any warranty expressed or implied.

Customers are advised to determine in advance the safe conditions for use of this product.