

Material Safety Data Sheet (MSDS)

Product Name: Moringa Leaf Extract Powder 4:1

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

Product name: Moringa Leaf Extract Powder 4:1

Other names: Drumstick Leaf Extract, Moringa Oleifera Extract

Recommended use: Nutraceutical, dietary supplement, functional food ingredient, cosmetic formulations

2. Hazard identification

- **Classification:** Non-hazardous natural plant extract
 - **Primary hazards:** None under normal conditions of use
 - **Routes of exposure:** Inhalation, ingestion, eye or skin contact
 - **Health effects:** May cause mild irritation to eyes, skin, or respiratory tract in powder form
 - **Environmental hazards:** Not considered hazardous to the environment
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3. Composition / information on ingredients

- **Chemical name:** Moringa Leaf Extract
 - **Botanical source:** *Moringa oleifera*
 - **Ratio:** 4:1 Extract
 - **CAS number:** Not available (natural product)
 - **Purity:** ≥ 95% plant-derived extract
 - **Additives:** None
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4. First aid measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
 - **Skin contact:** Wash with soap and water. Seek medical attention for persistent irritation.
 - **Eye contact:** Rinse with plenty of water for at least 15 minutes. Get medical help if irritation occurs.
 - **Ingestion:** Rinse mouth with water. If discomfort occurs, seek medical attention.
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5. Fire-fighting measures

- **Suitable extinguishing media:** Water spray, dry chemical, carbon dioxide, or foam.
 - **Hazardous combustion products:** Carbon oxides may form under fire conditions.
 - **Fire fighting instructions:** Wear self-contained breathing apparatus and protective clothing.
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6. Accidental release measures

- **Personal precautions:** Avoid dust formation; wear protective equipment.
 - **Environmental precautions:** Prevent large quantities from entering drains or water sources.
 - **Clean-up methods:** Sweep or vacuum spilled material and place in suitable container for disposal.
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7. Handling and storage

- **Handling:** Avoid inhalation of dust and contact with skin or eyes.
- **Storage:** Store in a cool, dry, well-ventilated area away from sunlight and moisture.
- **Recommended packaging:** Airtight containers, sealed bags, or drums.

8. Exposure controls / personal protection

- **Engineering controls:** Ensure adequate ventilation.
- **Respiratory protection:** Dust mask recommended.
- **Eye protection:** Safety goggles.
- **Skin protection:** Gloves and lab coat.
- **Hygiene measures:** Wash hands after handling.

9. Physical and chemical properties

- **Appearance:** Green to dark green fine powder
- **Odor:** Characteristic herbal odor
- **Solubility:** Partially soluble in water
- **pH (1% solution):** 5.0 – 7.0
- **Bulk density:** 0.4 – 0.7 g/cm³
- **Moisture content:** ≤ 5%
- **Stability:** Stable under normal storage conditions

10. Stability and reactivity

- **Chemical stability:** Stable under normal temperature and pressure
- **Conditions to avoid:** Excessive heat, moisture, direct sunlight
- **Incompatible materials:** Strong oxidizing agents
- **Hazardous decomposition products:** None known

11. Toxicological information

- **Acute toxicity:** Not known to be toxic
 - **Irritation:** May cause slight irritation to eyes or skin
 - **Sensitization:** Not expected to cause sensitization
 - **Carcinogenicity / mutagenicity / teratogenicity:** No data indicating carcinogenic or mutagenic effects
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12. Ecological information

- **Ecotoxicity:** Non-toxic to aquatic and terrestrial life
 - **Biodegradability:** Readily biodegradable
 - **Bioaccumulation:** No data available, but expected to be minimal
 - **Mobility in soil:** Not expected to migrate significantly
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13. Disposal considerations

- **Waste disposal:** Dispose of according to local regulations.
 - **Contaminated packaging:** Wash and recycle if possible, otherwise dispose of as per local waste authority guidance.
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14. Transport information (detailed)

- **UN number:** Not applicable
- **UN proper shipping name:** Not regulated
- **Transport hazard class:** Not classified as hazardous
- **Packing group:** Not applicable
- **Environmental hazards:** None known
- **Special precautions for user:** Avoid generating dust during loading or unloading.
- **Transport in bulk:** Not regulated under IBC Code.
- **Shipping mode recommendations:**
 - **By air (IATA):** Non-hazardous – can be shipped as general cargo.

- **By sea (IMDG):** Non-hazardous – store in dry container, away from moisture.
- **By road/rail (ADR/RID):** Non-hazardous – ensure sealed packaging to prevent spillage.
- **Labelling requirements:** No hazard label required.
- **Other information:** Product is stable and safe for transport under normal environmental conditions.

15. Regulatory information

- **Regulatory status:** Not classified as a hazardous material under global chemical regulations.
- **GHS classification:** Non-hazardous substance
- **Labelling elements:** None required

16. Other information

- **Disclaimer:** The information contained herein is believed to be accurate but is provided without warranty. The user assumes all responsibility for safe use and disposal of the product.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.