



Material Safety Data Sheet (MSDS)

Product Name: Bacopa Monnieri Extract Powder 20%

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: Bacopa Monnieri Extract Powder 20%

Synonyms: Brahmi Extract, Bacopa Extract, Herpestis Monniera Extract

Recommended Use: Nutraceutical, Herbal, and Food Supplement Ingredient

CAS Number: 93165-48-3

EC Number: N/A

2. Hazards Identification

- **Classification:** Not classified as hazardous according to GHS.
- **Hazard Statements:** None under normal handling conditions.
- **Precautionary Statements:** Avoid dust generation and inhalation.
- **Potential Health Effects:**
 - **Inhalation:** May cause mild irritation to respiratory tract.

- **Skin Contact:** May cause mild irritation on prolonged exposure.
 - **Eye Contact:** Dust may cause mechanical irritation.
 - **Ingestion:** Generally regarded as safe when consumed in small quantities.
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3. Composition / Information on Ingredients

Bacopa Monnieri Extract Powder 20% consists of pure dried herbal extract derived from the plant *Bacopa monnieri* (L.) Wettst., standardized to contain 20% Bacosides. The product contains 100% Bacopa Monnieri Extract with no added excipients, fillers, or preservatives.

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4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if irritation persists.
 - **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
 - **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical attention if discomfort continues.
 - **Ingestion:** Rinse mouth and drink water. Seek medical advice if any discomfort occurs.
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5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Dry chemical, CO₂, water spray, or foam.
 - **Unsuitable Media:** High-pressure water jet.
 - **Specific Hazards:** May emit carbon oxides under fire conditions.
 - **Protective Equipment:** Use self-contained breathing apparatus and full protective clothing.
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6. Accidental Release Measures

- **Personal Precautions:** Avoid inhaling dust. Wear mask and gloves.
 - **Environmental Precautions:** Prevent large quantities from entering drains.
 - **Cleanup Methods:** Sweep up and collect in suitable containers for disposal. Wash area with water.
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7. Handling and Storage

- **Handling:** Avoid formation of dust. Use adequate ventilation.
 - **Storage:** Store in a cool, dry, and well-ventilated area. Keep container tightly closed. Protect from light and moisture.
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8. Exposure Controls / Personal Protection

- **Exposure Limits:** Not established.
 - **Respiratory Protection:** Dust mask or respirator if dust is generated.
 - **Eye Protection:** Safety glasses.
 - **Skin Protection:** Gloves and protective clothing.
 - **General Hygiene:** Wash hands after handling and before eating or drinking.
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9. Physical and Chemical Properties

- **Appearance:** Brown to light brown fine powder
- **Odor:** Characteristic herbal odor
- **Solubility:** Partially soluble in water and alcohol
- **Bulk Density:** 0.4 – 0.6 g/cm³
- **pH (1% solution):** 4.5 – 6.5
- **Melting Point:** Not applicable
- **Flash Point:** Not applicable
- **Stability:** Stable under normal conditions

10. Stability and Reactivity

- **Chemical Stability:** Stable under normal temperature and pressure.
- **Conditions to Avoid:** Excess heat, light, and moisture.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides and organic fumes.

11. Toxicological Information

- **Acute Toxicity:** Not classified as toxic.
- **Skin Irritation:** Mild transient irritation possible.
- **Eye Irritation:** Dust may cause mild irritation.
- **Sensitization:** Not known to cause sensitization.
- **Mutagenicity / Carcinogenicity:** No evidence of mutagenic or carcinogenic effects.
- **Reproductive Toxicity:** No adverse reproductive effects reported.

12. Ecological Information

- **Ecotoxicity:** Not expected to be harmful to the environment.
- **Biodegradability:** Readily biodegradable.
- **Bioaccumulation:** Not expected to bioaccumulate.
- **Mobility in Soil:** Low mobility due to organic nature.

13. Disposal Considerations

- **Product Disposal:** Dispose of in accordance with local environmental regulations.
 - **Packaging Disposal:** Clean containers can be recycled or disposed of as per local waste laws.
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14. Toxicological Information (Detailed)

Bacopa Monnieri Extract Powder 20% has been extensively studied for safety and pharmacological activity.

- **LD50 (Oral, Rat):** > 5000 mg/kg – Non-toxic
 - **Irritation Tests:**
 - **Skin (Rabbit):** Non-irritating
 - **Eye (Rabbit):** Slight, reversible irritation
 - **Repeated Dose Toxicity:**
 - No adverse effects observed at doses up to 1000 mg/kg/day in animal studies over 90 days.
 - **Mutagenicity:**
 - Negative in Ames test and chromosomal aberration assays.
 - **Carcinogenicity:**
 - No evidence of carcinogenic potential reported in literature.
 - **Reproductive & Developmental Effects:**
 - No teratogenic or embryotoxic effects observed in animal studies.
 - **Human Data:**
 - Bacopa extract used safely as a dietary supplement in humans for memory enhancement and cognitive support.
 - Possible mild side effects include gastrointestinal discomfort or nausea at high doses.
 - **Summary:**
 - Product considered **non-toxic and safe for intended nutraceutical and food use** under recommended conditions.
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15. Regulatory Information

- **Regulation Compliance:**

- Complies with Indian Food Safety and Standards Act (FSSA).
 - Not classified as hazardous according to EU REACH or OSHA HCS.
 - GRAS (Generally Recognized As Safe) status for food supplement use.
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16. Other Information

Disclaimer:

The information provided in this MSDS is believed to be accurate and reliable as of the date specified. This MSDS is intended only as a guide for safe handling and use of the product.

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