

Material Safety Data Sheet (MSDS)

Product Name: Ashwagandha Root Extract Powder 20:1

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: Ashwagandha Root Extract Powder 20:1

Synonyms: Withania somnifera Extract; Indian Ginseng Extract

CAS Number: Not applicable (herbal extract)

Recommended Use: Nutraceuticals, dietary supplements, herbal formulations, food ingredients, cosmetics.

2. Hazard Identification

- Not classified as hazardous under GHS.
- **Possible Hazards:**
 - May cause mild irritation to eyes, skin, or respiratory system in sensitive individuals.
 - Dust may cause discomfort when inhaled.

GHS Classification: Not classified

Signal Word: None

Hazard Statements: None

Precautionary Statements: Avoid dust generation; avoid contact with eyes and prolonged inhalation.

3. Composition / Information on Ingredients

Product: Ashwagandha Root Extract Powder 20:1

Botanical Name: Withania somnifera

Purity: $\geq 98\%$ (typical herbal extract purity range)

Appearance: Brown to light brown fine powder

Chemical Nature: Natural plant extract; no hazardous additives.

4. First Aid Measures

Inhalation: Move to fresh air; seek medical attention if irritation persists.

Skin Contact: Wash with soap and water; seek medical advice if irritation develops.

Eye Contact: Rinse thoroughly with water for several minutes; consult a doctor if discomfort continues.

Ingestion: Rinse mouth; consume water; seek medical attention if adverse reaction occurs.

5. Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, CO₂, or foam.
 - **Fire/Explosion Hazards:** May form combustible dust clouds in air.
 - **Protective Equipment:** Use standard firefighting gear and self-contained breathing apparatus.
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6. Accidental Release Measures

- Avoid dust formation; ventilate area.
- Sweep or vacuum spill without generating dust.

- Dispose according to local regulations.
- Wear protective mask if dust levels are high.

7. Handling and Storage

Handling:

- Avoid dust inhalation.
- Use protective mask and gloves.
- Handle in a well-ventilated area.

Storage:

- Store in cool, dry, well-closed containers.
- Protect from moisture, sunlight, and strong odors.
- Store at ambient temperatures.

8. Exposure Controls / Personal Protection

Exposure Limits: Not established.

Personal Protective Equipment:

- **Respiratory:** Dust mask recommended.
- **Skin:** Gloves if handling large quantities.
- **Eye:** Safety goggles.
- **Hygiene Measures:** Wash hands after handling.

9. Physical and Chemical Properties

- **Appearance:** Light to dark brown powder
- **Odor:** Characteristic herbal odor
- **Solubility:** Partially soluble in water
- **Bulk Density:** 0.40 – 0.70 g/mL
- **pH (1% sol.):** 4.0 – 7.0

- Melting point: Not applicable (organic extract)
- Flash Point: Not applicable
- Stability: Stable under standard storage conditions

10. Stability and Reactivity

- Stable under normal conditions.
- Avoid excessive heat and moisture.
- No known hazardous reactions.
- Decomposition may produce CO, CO₂ under fire conditions.

11. Toxicological Information

- **Acute Toxicity:** Not established; generally considered safe.
- **Skin/Eye Irritation:** Mild irritation possible.
- **Respiratory Effects:** Inhalation of dust may cause temporary discomfort.
- **Chronic Toxicity:** No known long-term hazards.
- **Allergic Reactions:** Rare, but possible in sensitive individuals.

12. Ecological Information

- Biodegradable natural extract.
- Low environmental impact.
- Avoid uncontrolled release into water bodies.

13. Disposal Considerations

- Dispose according to local environmental regulations.
- Avoid releasing large quantities into sewer or water bodies.
- Can be incinerated or landfilled in accordance with rules.

14. Transport Information (DETAILED)

UN Number: Not applicable

UN Proper Shipping Name: Not regulated as a hazardous material

Transport Hazard Class: Not classified

Packing Group: Not applicable

Environmental Hazards: None

Special Precautions:

- Keep container tightly closed during transport.
- Protect from moisture and direct sunlight.
- Avoid high humidity conditions to prevent clumping.
- Ensure packaging prevents dust leakage.

Mode-Specific Information:

- **Road Transport (ADR/RID):** Not regulated; standard shipment permitted.
- **Air Transport (IATA):** Not classified as dangerous goods. May ship as general cargo.
- **Sea Transport (IMDG):** Not regulated; no marine pollutant classification.
- **Inland Waterways:** No specific regulation.

Additional Notes:

- Product is a **non-hazardous herbal powder**, but fine dust formation should be minimized.
- Packaging should comply with local transport laws for powdered food-grade materials.

15. Regulatory Information

- Not listed as hazardous under global chemical regulations.
- Complies with general food and herbal extract guidelines.
- No specific regulatory restrictions known for transport or handling.

16. Other Information

This MSDS is based on current knowledge and is intended for safe handling of the product. It does not constitute a warranty of product properties. Users should evaluate the product for their specific applications.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.