

Material Safety Data Sheet (MSDS)

Product Name: Radish Powder Human Grade

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 of the Company

- **Product Name:** Radish Powder (Human Grade)
- **Synonyms:** Raphanus sativus powder
- **Use of the Product:** Food ingredient, nutraceuticals, dietary supplements, herbal formulations, and functional foods.

2. Hazards Identification

- Not classified as hazardous under GHS.
- No specific toxic effects known in normal use.
- May cause mild irritation if inhaled as dust.
- Non-flammable, non-toxic, and safe for human consumption in regulated quantities.

3. Composition / Information on Ingredients

- **Substance:** 100% Radish (*Raphanus sativus*) Powder
 - **CAS Number:** Not assigned (Natural Product)
 - **EINECS Number:** Not applicable
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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. No known skin hazards.
 - **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present. Seek medical attention if irritation continues.
 - **Ingestion:** Safe as food grade. If ingested in excessive quantities and discomfort occurs, seek medical advice.
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5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, CO₂.
 - **Specific Hazards:** Organic powder may pose dust explosion risk in large concentrations.
 - **Protective Equipment:** Firefighters should wear protective clothing and self-contained breathing apparatus.
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6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation, wear dust mask and gloves.
 - **Environmental Precautions:** No known adverse effects. Biodegradable.
 - **Clean-Up Methods:** Sweep up spilled material and dispose in organic waste or as per local regulations.
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7. Handling and Storage

- **Handling:** Avoid inhalation of dust. Handle in well-ventilated area.
 - **Storage:** Store in a cool, dry, airtight container away from moisture, heat, and direct sunlight.
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Provide adequate ventilation.
 - **Personal Protection:**
 - Respiratory Protection: Dust mask if dust is generated.
 - Hand Protection: Protective gloves.
 - Eye Protection: Safety goggles if risk of dust contact.
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9. Physical and Chemical Properties

- **Appearance:** Fine powder
 - **Color:** Light brown to beige
 - **Odor:** Characteristic pungent odor of radish
 - **Solubility:** Partially soluble in water
 - **pH (1% solution):** 5.5 – 7.0
 - **Moisture Content:** ≤ 8%
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10. Stability and Reactivity

- **Stability:** Stable under normal storage conditions.
 - **Conditions to Avoid:** Excess heat, moisture.
 - **Incompatible Materials:** Strong oxidizing agents.
 - **Hazardous Decomposition:** None known.
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11. Toxicological Information

- **Acute Toxicity:** Not toxic.
- **Skin/Eye Irritation:** Mild irritation possible due to dust exposure.
- **Inhalation:** Dust may cause irritation in respiratory tract.
- **Chronic Effects:** No known adverse chronic effects.
- **Food Safety:** Safe as per human consumption standards.

12. Ecological Information

- **Ecotoxicity:** No known ecological hazards.
- **Biodegradability:** 100% biodegradable.
- **Bioaccumulation:** Not expected.

13. Disposal Considerations

- Dispose as per local, state, and national regulations.
- Can be composted or disposed with organic waste.

14. Transport Information (Detailed)

Radish Powder (Human Grade) is **not classified as hazardous material** for transport under international regulations (ADR, RID, IMDG, ICAO/IATA).

- **UN Number:** Not applicable
- **UN Proper Shipping Name:** Not regulated (Radish Powder – Human Grade, Food Ingredient)
- **Transport Hazard Class(es):** Non-hazardous
- **Packing Group:** Not applicable
- **Marine Pollutant:** No
- **Special Precautions:**
 - Ensure containers are tightly sealed to prevent moisture absorption.
 - Avoid transport in areas with high humidity or heat to maintain product quality.
 - Keep away from chemicals with strong odors or volatile compounds to prevent contamination.
- **Labeling Requirements:** No hazard labeling required.
- **Regulatory References:**
 - ADR/RID (Road/Rail): Not restricted.
 - IMDG (Sea): Not restricted.

- ICAO/IATA (Air): Not restricted.
 - **General Transport Guidance:** Transport in clean, dry, food-grade containers. Protect from direct sunlight, rain, or contamination during handling and shipping.
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15. Regulatory Information

- Not classified as hazardous according to EU/OSHA/GHS regulations.
 - Approved for use as food ingredient and dietary supplement.
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16. Other Information

- The information is based on current knowledge and intended for safe handling.
- No warranty expressed or implied.
- User must determine suitability of this information for their specific application.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.