

Material Safety Data Sheet (MSDS)

Product Name: Curcumin Dry Extract 5:1

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: Curcumin Dry Extract 5:1

Synonyms: Turmeric Extract, Curcuma Longa Extract

Recommended Use: Pharmaceutical, Nutraceutical, Food, and Cosmetic ingredient.

2. Hazard Identification

- Not classified as hazardous under normal handling.
- May cause mild irritation to eyes, skin, or respiratory tract.
- Avoid inhalation of dust and direct eye contact.

3. Composition/Information on Ingredients

- **Product:** Curcumin Dry Extract 5:1
- **Botanical Source:** Curcuma longa L.

- **Active Ingredient:** Curcuminoids (approx. 95%)
 - **Form:** Yellow-Orange Powder
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4. First Aid Measures

- **Eye Contact:** Rinse with plenty of water for at least 15 minutes.
 - **Skin Contact:** Wash with soap and water.
 - **Inhalation:** Move to fresh air; seek medical attention if irritation persists.
 - **Ingestion:** Rinse mouth, drink water; seek medical advice if unwell.
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5. Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, CO₂, or foam.
 - **Hazardous Combustion Products:** CO, CO₂, irritating fumes.
 - **Protective Equipment:** Use protective breathing apparatus.
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6. Accidental Release Measures

- Avoid dust formation.
 - Sweep up and collect in suitable container for disposal.
 - Ventilate area.
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7. Handling and Storage

- **Handling:** Avoid inhalation, ingestion, and contact with eyes.
 - **Storage:** Store in cool, dry, well-ventilated area, away from direct sunlight and moisture.
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8. Exposure Controls/Personal Protection

- **Respiratory Protection:** Dust mask if dust is generated.
- **Eye Protection:** Safety goggles.
- **Skin Protection:** Gloves and protective clothing.

9. Physical and Chemical Properties

- **Appearance:** Yellow-Orange Fine Powder
- **Odor:** Characteristic turmeric odor
- **Solubility:** Slightly soluble in water, soluble in ethanol
- **pH:** Neutral
- **Melting Point:** ~183 °C (curcumin)

10. Stability and Reactivity

- **Stability:** Stable under recommended storage.
- **Conditions to Avoid:** Heat, moisture, direct sunlight.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** CO, CO₂.

11. Toxicological Information

- **Acute Toxicity:** Low toxicity (LD₅₀ > 2000 mg/kg oral in rats).
- **Irritation:** Mild eye/skin irritation possible.
- **Sensitization:** Not known to cause sensitization.
- **Carcinogenicity:** Not classified as carcinogenic.

12. Ecological Information

- **Ecotoxicity:** No known adverse effects on the environment.
- **Persistence/Degradability:** Biodegradable.
- **Bioaccumulation:** No significant potential.

13. Disposal Considerations

- Dispose of in accordance with local, regional, national, and international regulations.
- Avoid release into sewage systems.

14. Transport Information (Detailed)

- **UN Number:** Not applicable (not classified as dangerous goods).
- **UN Proper Shipping Name:** Curcumin Dry Extract 5:1
- **Transport Hazard Class(es):** Not regulated
- **Packing Group:** Not applicable
- **Environmental Hazards:** Not classified as environmentally hazardous
- **Transport in Bulk (Annex II of MARPOL / IBC Code):** Not applicable
- **Special Precautions for User:**
 - Ensure containers are sealed to prevent leakage.
 - Protect from physical damage and moisture during transit.
 - Transport in clean, dry, covered vehicles or containers.
 - Avoid exposure to direct sunlight or high humidity during transportation.
- **Regulatory Transport Status:**
 - **ADR/RID (Road/Rail Transport in Europe):** Not regulated
 - **IMDG (Sea Transport):** Not regulated
 - **IATA (Air Transport):** Not regulated
 - **DOT (U.S. Transport):** Not regulated

15. Regulatory Information

- This product is not classified as hazardous under current EU, US, or Indian chemical safety regulations.
- Complies with general safety standards for natural extracts.

16. Other Information

- The information provided in this MSDS is believed to be accurate and reliable.
- It is intended as guidance for safe handling, storage, and use 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.