

Material Safety Data Sheet (MSDS)

Product Name: Piperine Dry Extract 10:1

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:** Piperine Dry Extract 10:1
- **Synonyms:** Black Pepper Extract, Piper nigrum Extract
- **Recommended Use:** Nutraceutical, dietary supplement, pharmaceutical applications

2. Composition/Information on Ingredients

- **Active Ingredient:** Piperine (standardized to 10:1 extract)
- **CAS Number:** 94-62-2
- **Chemical Formula:** $C_{17}H_{19}NO_3$
- **Other Ingredients:** Excipients (if any) – typically inert carrier powders

3. Hazards Identification

- **Emergency Overview:** White to off-white fine powder. Non-flammable, non-explosive under normal conditions.
- **Potential Health Effects:**

- Inhalation: May cause mild irritation to respiratory tract.
- Skin Contact: May cause mild irritation in sensitive individuals.
- Eye Contact: Can cause irritation if powder comes in contact.
- Ingestion: Low toxicity, but excessive intake may cause gastrointestinal discomfort.

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 if irritation develops.
- **Eye Contact:** Rinse with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical advice if discomfort occurs.

5. Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, CO₂, foam.
- **Special Hazards:** May produce toxic fumes when heated.
- **Protective Equipment:** Wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

- Avoid dust formation.
- Sweep up or vacuum spilled material and place in suitable containers for disposal.
- Avoid inhalation and contact with skin/eyes.

7. Handling and Storage

- **Handling:** Use personal protective equipment. Avoid generating dust.
- **Storage:** Keep container tightly closed, store in a cool, dry, ventilated area away from incompatible substances.

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation recommended.

- **Personal Protective Equipment (PPE):**
 - Gloves, safety goggles, dust mask/respirator.
 - Protective clothing to prevent skin contact.

9. Physical and Chemical Properties

- Appearance: White to off-white fine powder
- Odor: Characteristic pungent aroma
- Taste: Pungent, bitter
- Solubility: Slightly soluble in water, soluble in ethanol and oils
- Melting Point: 130–132°C
- Boiling Point: Not applicable (decomposes on heating)

10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
- **Conditions to Avoid:** Moisture, excessive heat, strong oxidizers.
- **Incompatible Materials:** Strong acids, strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides.

11. Toxicological Information

- Low acute toxicity.
- May cause mild skin or eye irritation.
- No known chronic health effects at normal usage levels.

12. Ecological Information

- Expected to be biodegradable.
- Avoid release to waterways.

13. Disposal Considerations

- Dispose of in accordance with local regulations.
- Avoid environmental contamination.

14. Transport Information (Detailed)

- **UN Number:** Not classified as hazardous for transport.
- **UN Proper Shipping Name:** Piperine Dry Extract
- **Transport Hazard Class:** Not applicable
- **Packing Group:** Not applicable
- **Environmental Hazards:** Not classified as a marine pollutant
- **Transport Precautions:**
 - Handle carefully to avoid spilling or dust generation.
 - Store in a cool, dry, ventilated area during transport.
 - Use appropriate containers to prevent leakage or contamination.
 - Ensure containers are clearly labeled with product name, batch number, and handling instructions.
 - In case of accidental release during transport, avoid inhalation, wear PPE, and sweep up the material carefully.
 - Follow local, national, and international transport regulations.

15. Regulatory Information

- Complies with local regulatory requirements for dietary supplements and herbal extracts.
- Not classified as hazardous under OSHA, WHMIS, or EU regulations.

16. Other Information

- **Disclaimer:** The information provided in this MSDS is based on current knowledge and experience. Users must satisfy themselves that the product is suitable for their intended purpose and handle it in accordance with good occupational hygiene practices.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.