

Material Safety Data Sheet (MSDS)

Product Name: Paracetamol IP Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

1101- City Centre 2,

Science City Road,

Sola Ahmedabad Gujarat,

India - 380060.

Contact No.: +91 97272 88479

Email: info@rawpharmabiz.com

Website: www.rawpharmabiz.com

1. Identification of the Substance/Preparation and Company

- **Product Name:** Paracetamol IP Grade
- **Synonyms:** Acetaminophen, p-Hydroxyacetanilide
- **Molecular Formula:** C₈H₉NO₂
- **Recommended Use:** Pharmaceutical raw material, analgesic, antipyretic.

2. Hazards Identification

- **Classification:** Not classified as hazardous under normal conditions of use.
- **Potential Health Effects:**
 - Ingestion: May cause liver damage in large doses.
 - Skin Contact: Generally non-irritant.
 - Eye Contact: May cause mild irritation.
 - Inhalation: Dust may cause respiratory irritation.

3. Composition/Information on Ingredients

- **Chemical Name:** Paracetamol
- **Purity:** IP Grade, >99%
- **CAS No.:** 103-90-2
- **EINECS No.:** 203-157-5

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Rinse thoroughly with water. Seek medical advice if irritation occurs.
- **Ingestion:** Do not induce vomiting. Seek immediate medical help.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, or CO₂.
- **Special Hazards:** Emits toxic fumes of nitrogen oxides and carbon oxides when burned.
- **Protective Equipment:** Wear self-contained breathing apparatus.

6. Accidental Release Measures

- Avoid dust formation.
- Sweep up and place in suitable closed containers for disposal.
- Ventilate area and wash spill site after material pickup.

7. Handling and Storage

- **Handling:** Avoid contact with skin, eyes, and clothing. Prevent dust generation.
- **Storage:** Store in a cool, dry, well-ventilated place away from heat and moisture.

8. Exposure Controls / Personal Protection

- **Exposure Limits:** No specific occupational exposure limits established.
 - **Personal Protection:**
 - Respiratory: Use dust mask if dust is generated.
 - Eyes: Safety glasses recommended.
 - Hands: Protective gloves.
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9. Physical and Chemical Properties

- Appearance: White crystalline powder
 - Odor: Odorless
 - Melting Point: 168 – 172°C
 - Solubility: Slightly soluble in water, soluble in alcohol
 - Molecular Weight: 151.16 g/mol
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
 - **Conditions to Avoid:** Excessive heat, humidity.
 - **Incompatible Materials:** Strong oxidizing agents.
 - **Decomposition Products:** Carbon oxides, nitrogen oxides.
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11. Toxicological Information

- **Acute Toxicity:** LD50 (oral, rat) ~338 mg/kg
 - **Chronic Effects:** Prolonged or excessive ingestion may cause liver and kidney damage.
 - **Carcinogenicity:** Not classified as carcinogenic.
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12. Ecological Information

- **Ecotoxicity:** Low risk to aquatic environment.
- **Persistence/Degradability:** Biodegradable under aerobic conditions.

- **Mobility in Soil:** Slight mobility expected.
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13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
 - Do not discharge into drains or environment.
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14. Transport Information (Detailed)

- **UN Number:** Not regulated as hazardous material.
 - **UN Proper Shipping Name:** Not classified as dangerous goods.
 - **Transport Hazard Class:** Not applicable.
 - **Packing Group:** Not applicable.
 - **Labels Required:** None.
 - **Special Precautions:**
 - Transport in closed, labeled containers.
 - Protect from direct sunlight, excessive heat, and moisture during transit.
 - Ensure packaging prevents spillage and dust formation.
 - Keep away from incompatible substances (oxidizers, strong acids).
 - **Regulatory Information:**
 - **ADR/RID (Europe):** Not regulated.
 - **IMDG (Maritime):** Not classified as dangerous goods.
 - **IATA (Air):** Not classified as dangerous goods.
 - **DOT (USA):** Not regulated.
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15. Regulatory Information

- Complies with Indian Pharmacopoeia (IP) standards.
- Not listed as a hazardous substance under international regulations.

16. Other Information

- This MSDS is provided to ensure safe handling, storage, and transportation.
- The information is based on current knowledge and is intended for guidance only.
- Users must ensure suitability for intended use and comply with local regulations.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.