

Material Safety Data Sheet (MSDS)

Product Name: Microcrystalline Cellulose-101 IP 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 Company

- **Product Name:** Microcrystalline Cellulose – 101 IP Grade
- **Synonyms:** MCC 101, Cellulose Microcrystalline
- **CAS No.:** 9004-34-6
- **Molecular Formula:** $(C_6H_{10}O_5)_n$
- **Recommended Use:** Pharmaceutical excipient, binder, diluent, stabilizer

2. Hazards Identification

- **Classification:** Not classified as hazardous under GHS
- **Physical Hazards:** Dust may form combustible dust-air mixtures
- **Health Hazards:** Prolonged inhalation of dust may cause mild respiratory irritation
- **Environmental Hazards:** No known environmental hazards

3. Composition / Information on Ingredients

- **Chemical Name:** Microcrystalline Cellulose

- **Purity:** $\geq 99\%$
 - **Grade:** IP (Indian Pharmacopoeia)
 - **Hazardous Components:** None
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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 immediately with clean water for at least 15 minutes
 - **Ingestion:** Rinse mouth with water. Medical attention if discomfort occurs
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5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, CO₂, dry chemical, foam
 - **Specific Hazards:** Dust may be combustible under fire conditions
 - **Protective Equipment:** Self-contained breathing apparatus
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6. Accidental Release Measures

- Avoid dust generation
 - Sweep or vacuum using approved industrial vacuum
 - Dispose of material according to local regulations
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7. Handling and Storage

- Handle in a well-ventilated area
 - Avoid formation of dust clouds
 - Store in tightly closed containers in a dry place
 - Keep away from strong oxidizing agents
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation
- **Respiratory Protection:** Dust mask if exposure exceeds limits
- **Eye Protection:** Safety goggles

- **Skin Protection:** Protective gloves recommended

9. Physical and Chemical Properties

- **Appearance:** White or almost white powder
- **Odor:** Odorless
- **Solubility:** Insoluble in water
- **pH:** Neutral
- **Bulk Density:** 0.25–0.35 g/cm³
- **Melting Point:** Not applicable (decomposes)

10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Incompatible Materials:** Strong oxidizing agents
- **Hazardous Decomposition:** Carbon monoxide, carbon dioxide

11. Toxicological Information

- **Acute Toxicity:** Non-toxic
- **Skin Irritation:** Not irritating
- **Eye Irritation:** Mild irritation due to dust
- **Chronic Effects:** No known adverse effects

12. Ecological Information

- **Ecotoxicity:** Not harmful
- **Biodegradability:** Biodegradable
- **Bioaccumulation:** Not expected

13. Disposal Considerations

- Dispose in accordance with local, regional, and national regulations
- Non-hazardous waste; may be disposed of as industrial waste

14. Transport Information (Detailed)

- **UN Number:** Not assigned
- **UN Proper Shipping Name:** Not regulated
- **Transport Hazard Class:** Not classified
- **Packing Group:** Not applicable
- **ADR/RID (Road/Rail):** Not dangerous goods
- **IMDG (Sea Transport):** Not classified as hazardous
- **IATA (Air Transport):** Not restricted
- **Environmental Hazards:** None
- **Special Precautions:**
 - Prevent excessive dust generation during handling and transport
 - Keep packaging sealed and dry
 - Avoid exposure to moisture
- **Bulk Transport:** Not regulated under MARPOL Annex II

15. Regulatory Information

- Complies with Indian Pharmacopoeia (IP) standards
- Not listed as hazardous under OSHA, REACH, or GHS

16. Other Information

- **Intended Use:** Pharmaceutical excipient only
- **Disclaimer:**

The information provided in this MSDS is believed to be accurate and reliable as of the date of issue. Users must determine suitability 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.