

Material Safety Data Sheet (MSDS)

Product Name: Mannitol

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd
1101- City Centre 2,
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1. Identification of the Substance/Preparation and Company

Product Name: Mannitol

Recommended Use: Pharmaceutical excipient, food additive, sweetener, bulking agent

2. Hazard Identification

- Not classified as hazardous under GHS
- Dust may form combustible mixtures with air
- Generally regarded as safe (GRAS)

3. Composition / Information on Ingredients

This product contains **Mannitol (D-Mannitol)** as the main component.

CAS Number: 69-65-8

Purity: Typically $\geq 98.0\%$

No hazardous impurities are present in concentrations requiring disclosure.

4. First Aid Measures

- **Inhalation:** Move person to fresh air. Seek medical attention if symptoms persist
- **Skin Contact:** Wash thoroughly with soap and water
- **Eye Contact:** Rinse cautiously with water for several minutes
- **Ingestion:** Rinse mouth. Large quantities may cause gastrointestinal discomfort

5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, CO₂
- **Special Hazards:** Combustible dust hazard
- **Protective Equipment:** Self-contained breathing apparatus

6. Accidental Release Measures

- Avoid dust formation
- Sweep up and collect in suitable containers
- Dispose according to applicable regulations

7. Handling and Storage

- Handle in accordance with good industrial hygiene
- Avoid excessive dust generation
- Store in a cool, dry, well-ventilated place

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation
- **Personal Protective Equipment:**
 - Respiratory protection if dust levels are high
 - Protective gloves

- Safety goggles

9. Physical and Chemical Properties

- Appearance: White crystalline powder
- Odor: Odorless
- Taste: Sweet
- Solubility: Soluble in water
- Melting Point: 165–168°C
- pH: Neutral

10. Stability and Reactivity

- Stable under normal conditions
- Avoid excessive heat and dust formation
- Incompatible with strong oxidizing agents

11. Toxicological Information

- Low acute toxicity
- LD₅₀ (Oral, Rat): >10,000 mg/kg
- Excessive intake may cause laxative effects

12. Ecological Information

- Not expected to be harmful to the environment
- Readily biodegradable
- Low bioaccumulation potential

13. Disposal Considerations

- Dispose in accordance with local and national regulations
- Empty packaging should be handled responsibly

14. Transport Information (Detailed)

- **UN Number:** Not assigned
- **UN Proper Shipping Name:** Mannitol
- **Transport Hazard Class:** Not regulated
- **Packing Group:** Not applicable

Transport Regulations:

- ADR/RID: Not classified as dangerous goods
- IMDG: Not regulated
- IATA: Not regulated

Special Precautions:

- Protect from moisture
- Prevent dust release during handling and transport
- Transport in tightly closed containers

15. Regulatory Information

- Complies with food and pharmaceutical regulations
- GRAS status confirmed
- No special labeling required

16. Other Information

The information contained herein is believed to be accurate and is provided for guidance in safe handling, use, storage, and disposal. No warranty is expressed or implied.

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- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.