

Material Safety Data Sheet (MSDS)

Product Name: Glycerol Monostearate Powder 40%

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:** Glycerol Monostearate Powder 40%
- **Synonyms:** Glyceryl Monostearate 40%, GMS 40
- **CAS No.:** 31566-31-1
- **Molecular Formula:** C₂₁H₄₂O₄ (mixture)
- **Recommended Use:** Pharmaceutical excipient, food additive, emulsifier, stabilizer, cosmetic ingredient

2. Hazard Identification

- **GHS Classification:** Not classified as hazardous
- **Hazard Statement:** No significant hazards under normal handling
- **Potential Effects:**
 - Eyes: Mild irritation due to dust

- Skin: Generally non-irritating
- Inhalation: Dust may cause mild respiratory discomfort
- Ingestion: Considered safe within regulated use

3. Composition / Information on Ingredients

- **Chemical Name:** Glycerol Monostearate
- **Concentration:** ~40% monoester (balance di- and tri-glycerides)
- **Nature:** Food & pharmaceutical grade mixture
- **Impurities:** As per pharmacopeial limits

4. First Aid Measures

- **Inhalation:** Move person to fresh air
- **Skin Contact:** Wash with soap and water
- **Eye Contact:** Rinse with clean water for several minutes
- **Ingestion:** Rinse mouth, seek medical advice if discomfort persists

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, CO₂, dry chemical, foam
- **Specific Hazards:** Combustible organic material
- **Protective Equipment:** Self-contained breathing apparatus

6. Accidental Release Measures

- Avoid dust formation
- Sweep or vacuum material carefully
- Dispose according to local regulations

7. Handling and Storage

- **Handling:** Handle in well-ventilated area, avoid dust inhalation
 - **Storage:** Store in cool, dry place in tightly closed containers
 - **Incompatibility:** Strong oxidizing agents
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Local exhaust ventilation recommended
 - **Personal Protective Equipment:**
 - Gloves
 - Safety goggles
 - Dust mask if required
 - **Hygiene Measures:** Wash hands after handling
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9. Physical and Chemical Properties

- **Appearance:** White to off-white powder
 - **Odor:** Mild, characteristic
 - **Solubility:** Insoluble in water, soluble in hot oils
 - **Melting Point:** Approx. 55–65°C
 - **pH:** Not applicable
 - **Flash Point:** Not determined
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10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions
 - **Reactivity:** Non-reactive
 - **Hazardous Decomposition Products:** CO, CO₂ under combustion
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11. Toxicological Information

- **Acute Toxicity:** Low toxicity

- **Skin Sensitization:** Not expected
 - **Chronic Effects:** No known long-term adverse effects
 - **Regulatory Status:** Approved for food and pharmaceutical use within limits
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12. Ecological Information

- **Eco-toxicity:** Not expected to be harmful
 - **Biodegradability:** Readily biodegradable
 - **Bioaccumulation:** Not expected
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13. Disposal Considerations

- Dispose in accordance with local, regional, and national regulations
 - Packaging may be recycled after proper cleaning
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14. Transport Information (DETAILED)

International Transport Regulations:

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

Mode-wise Transport Classification:

- **Road (ADR/RID):** Not dangerous goods
- **Rail Transport:** Not regulated
- **Sea Transport (IMDG):** Not regulated as hazardous
- **Air Transport (IATA):** Not restricted

Environmental Hazards:

- Not classified as marine pollutant

Special Transport Precautions:

- Protect from moisture and excessive heat
 - Keep containers tightly closed during transport
 - Avoid physical damage to packaging
 - Transport in accordance with good industrial hygiene practices
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15. Regulatory Information

- Complies with food, pharmaceutical, and cosmetic regulations
 - Listed in pharmacopeias as approved excipient
 - Not classified as hazardous under GHS, OSHA, or REACH
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16. Other Information

- **Disclaimer:**

The information contained herein is based on current knowledge and is intended only as a guide for safe handling, use, processing, storage, transportation, and disposal. This MSDS does not constitute a guarantee of product properties.

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