



Material Safety Data Sheet (MSDS)

Product Name: Glycerol Monostearate Flakes

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Product and Company Identification

Product Name: Glycerol Monostearate (GMS) Flakes

Synonyms: Glyceryl Monostearate, Monoacylglycerol Stearate

Recommended Use: Emulsifier, thickening agent, stabilizer in food, pharmaceuticals, and cosmetics.

2. Composition / Information on Ingredients

Chemical Name: Glycerol Monostearate

CAS Number: 123-94-4

EC Number: 204-663-0

Purity: $\geq 95\%$

Hazardous Components: None significant under normal usage

3. Hazards Identification

- **GHS Classification:** Not classified as hazardous
 - **Hazard Statement:** Non-toxic, non-irritant in normal conditions
 - **Precautionary Statements:** Avoid prolonged inhalation of dust
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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 with plenty of water for 15 minutes; seek medical attention if irritation persists
 - **Ingestion:** Rinse mouth; drink water; seek medical advice if large quantities ingested
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5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical powder, carbon dioxide
 - **Unsuitable Extinguishing Media:** None known
 - **Specific Hazards:** May produce carbon monoxide, carbon dioxide, and other toxic fumes if burned
 - **Protective Equipment for Firefighters:** Wear self-contained breathing apparatus and protective clothing
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6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation, wear protective gloves and mask
 - **Environmental Precautions:** Prevent entry into waterways
 - **Methods for Cleaning Up:** Sweep or vacuum; dispose of according to local regulations
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7. Handling and Storage

- **Handling:** Avoid inhalation of dust; use adequate ventilation
- **Storage:** Store in a cool, dry, well-ventilated area away from strong oxidizing agents
- **Packaging:** Keep container tightly closed

8. Exposure Controls / Personal Protection

- **Exposure Limits:** Not established
- **Engineering Controls:** Adequate ventilation
- **Personal Protective Equipment (PPE):**
 - Gloves: Chemical-resistant
 - Eyes: Safety glasses
 - Clothing: Protective clothing if handling large quantities
 - Respiratory: Dust mask if necessary

9. Physical and Chemical Properties

- **Appearance:** White to off-white flakes
- **Odor:** Mild fatty odor
- **Melting Point:** 56–60°C
- **Boiling Point:** Decomposes above 350°C
- **Solubility:** Insoluble in water; soluble in hot alcohol and oils
- **Flash Point:** > 200°C

10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions
- **Conditions to Avoid:** High temperatures, open flames
- **Incompatible Materials:** Strong oxidizers
- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, oxides of nitrogen

11. Toxicological Information

- **Acute Toxicity:** Low

- **Skin Irritation:** Non-irritant
- **Eye Irritation:** Mild irritant possible
- **Carcinogenicity:** Not classified
- **Chronic Effects:** None known

12. Ecological Information

- **Ecotoxicity:** Low
- **Persistence and Degradability:** Biodegradable
- **Bioaccumulative Potential:** Low

13. Disposal Considerations

- **Waste Disposal:** Dispose of according to local regulations
- **Packaging Disposal:** Recycle or dispose of in accordance with local laws

14. Transport Information (DETAILED)

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Not regulated
- **Transport Hazard Class:** Not classified
- **Packing Group:** Not applicable
- **Environmental Hazards:** None identified
- **Transport Precautions:**
 - Keep away from heat and ignition sources
 - Avoid moisture contamination
 - Ensure packages are properly labeled
- **Transport Mode:**
 - **Road (ADR/RID):** No special requirements

- **Air (IATA):** No special requirements
- **Sea (IMDG):** No special requirements
- **Special Handling Instructions:**
 - Ensure the material is secured to prevent shifting during transit
 - Avoid transport with strong oxidizing substances

15. Regulatory Information

- **Safety, Health, and Environmental Regulations:** Complies with local regulations for food and cosmetic grade ingredients
- **Labeling Requirements:** No special labeling required

16. Other Information

- **Disclaimer:** Information provided in this MSDS is based on current knowledge and experience. It is intended as guidance for safe handling, use, storage, and transport. Users must ensure compliance with local laws and 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.