

Material Safety Data Sheet (MSDS)

Product Name: Glycerine 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:** Glycerine IP Grade
- **Synonyms:** Glycerol, 1,2,3-Propanetriol
- **CAS No.:** 56-81-5
- **Molecular Formula:** $C_3H_8O_3$
- **Molecular Weight:** 92.09 g/mol
- **Recommended Use:** Pharmaceutical excipient, humectant, solvent

2. Hazard Identification

- **Classification:** Not classified as hazardous according to GHS
- **Hazard Statement:** Generally regarded as safe under normal conditions of use
- **Potential Health Effects:**
 - Eyes: May cause mild irritation on prolonged contact
 - Skin: Non-irritating under normal conditions
 - Inhalation: Low vapor pressure; inhalation unlikely

- Ingestion: Excessive intake may cause gastrointestinal discomfort

3. Composition / Information on Ingredients

This product contains **Glycerine (Glycerol) IP Grade** with a purity of **not less than 99.5%**, conforming to **Indian Pharmacopoeia (IP)** specifications. No hazardous impurities or stabilizing additives are present.

4. First Aid Measures

- **Inhalation:** Move affected person to fresh air if discomfort occurs
- **Skin Contact:** Wash thoroughly with soap and water
- **Eye Contact:** Rinse cautiously with clean water for several minutes
- **Ingestion:** Rinse mouth with water; seek medical attention if large quantity is consumed

5. Fire Fighting Measures

- **Flash Point:** >160°C
- **Extinguishing Media:** Water spray, foam, dry chemical, CO₂
- **Fire Hazards:** Combustion may produce carbon oxides
- **Protective Equipment:** Self-contained breathing apparatus recommended

6. Accidental Release Measures

- Absorb spill with inert absorbent material
- Wash contaminated area with water
- Avoid slipping hazard due to viscous nature

7. Handling and Storage

- **Handling:** Avoid unnecessary contact; follow good hygiene practices
- **Storage:** Store in tightly closed containers in a cool, dry, ventilated area
- **Incompatibility:** Strong oxidizing agents

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Normal ventilation adequate
- **Personal Protective Equipment:**
 - Safety gloves (recommended)
 - Safety goggles where splashing may occur

- **Exposure Limits:** Not established
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9. Physical and Chemical Properties

- **Appearance:** Clear, colorless viscous liquid
 - **Odor:** Odorless
 - **pH:** Neutral
 - **Boiling Point:** ~290°C
 - **Melting Point:** ~18°C
 - **Density:** ~1.26 g/cm³
 - **Solubility:** Completely miscible with water
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10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions
 - **Reactivity:** No dangerous reactions known
 - **Conditions to Avoid:** Excessive heat
 - **Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide
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11. Toxicological Information

- **Acute Toxicity:** Low
 - **Skin/Eye Irritation:** Mild irritation possible
 - **Chronic Effects:** No known adverse effects
 - **Carcinogenicity:** Not classified by IARC, NTP, or OSHA
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12. Ecological Information

- Readily biodegradable
 - Low toxicity to aquatic organisms
 - Not expected to bioaccumulate
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13. Disposal Considerations

- Dispose of in accordance with applicable local and national regulations
- Diluted disposal may be permitted where authorized

14. Transport Information (Detailed)

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

Road Transport (ADR/RID):

Not classified as dangerous goods. No labeling or placarding required.

Sea Transport (IMDG):

Not regulated. Not a marine pollutant.

Air Transport (IATA):

Not restricted for transport. No special documentation required.

Special Precautions:

Containers must be securely sealed. Prevent leakage. Handle carefully due to slippery nature if spilled.

15. Regulatory Information

- Conforms to **Indian Pharmacopoeia (IP)**
- Not classified as hazardous under GHS regulations

16. Other Information

- This MSDS is prepared based on available data and regulatory guidelines
- Information is believed to be accurate but provided without warranty
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.