

Material Safety Data Sheet (MSDS)

Product Name: Glycerine CP 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 (Glycerol) CP Grade
- **Chemical Name:** Propane-1,2,3-triol
- **CAS No.:** 56-81-5
- **Molecular Formula:** $C_3H_8O_3$
- **Recommended Use:** Pharmaceutical, cosmetic, food, chemical, and industrial applications

2. Hazard Identification

- **Classification:** Not classified as hazardous under GHS
- **Physical Hazards:** Slippery when spilled
- **Health Hazards:** Prolonged contact may cause mild irritation
- **Environmental Hazards:** Not expected to pose environmental risk

3. Composition / Information on Ingredients

- **Substance:** Glycerine (CP Grade)
 - **Purity:** $\geq 99.5\%$
 - **CAS No.:** 56-81-5
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4. First Aid Measures

- **Inhalation:** Move person to fresh air if mist is inhaled
 - **Skin Contact:** Wash with soap and water
 - **Eye Contact:** Rinse cautiously with water for several minutes
 - **Ingestion:** Rinse mouth; seek medical advice if discomfort occurs
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5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, CO₂
 - **Specific Hazards:** May produce carbon oxides on combustion
 - **Protective Equipment:** Self-contained breathing apparatus
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6. Accidental Release Measures

- Avoid slipping hazard
 - Absorb with inert material (sand, earth)
 - Wash area with water
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7. Handling and Storage

- Handle in accordance with good industrial hygiene
 - Store in tightly closed containers
 - Store in a cool, dry, well-ventilated area
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation
- **Eye Protection:** Safety goggles if splashing risk
- **Skin Protection:** Gloves recommended
- **Respiratory Protection:** Not normally required

9. Physical and Chemical Properties

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

10. Stability and Reactivity

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

11. Toxicological Information

- **Acute Toxicity:** Low toxicity
- **Skin/Eye Irritation:** Mild irritation possible
- **Chronic Effects:** No known long-term adverse effects

12. Ecological Information

- **Biodegradability:** Readily biodegradable
- **Aquatic Toxicity:** Low
- **Environmental Impact:** Minimal when properly handled

13. Disposal Considerations

- Dispose in accordance with local regulations
- Can be diluted and disposed through approved waste systems

14. Transport Information (Detailed)

- **UN Number:** Not applicable

- **UN Proper Shipping Name:** Not regulated
- **Transport Hazard Class:** Not classified as dangerous goods

Transport Regulations:

- **ADR/RID (Road/Rail):** Not regulated
- **IMDG (Sea Transport):** Not regulated
- **IATA (Air Transport):** Not regulated

Special Transport Precautions:

- Ensure containers are tightly sealed
- Protect from contamination and leakage
- Avoid spillage due to slippery nature

Bulk Transport Information:

- Suitable for transport in approved plastic or stainless-steel containers
- Not subject to special labeling or placarding requirements

15. Regulatory Information

- Complies with applicable chemical safety regulations
- Not listed as hazardous under GHS, OSHA, or REACH

16. Other Information

- This MSDS is prepared based on available data and current knowledge
- Information is intended for safe handling, storage, and transport
- User is responsible for compliance with local 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.