

Material Safety Data Sheet (MSDS)

Product Name: Magnesium Sulphate Monohydrate 15%

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:** Magnesium Sulphate Monohydrate 15%
- **Chemical Name:** Magnesium Sulphate Monohydrate
- **CAS No.:** 14168-73-1
- **Molecular Formula:** $\text{MgSO}_4 \cdot \text{H}_2\text{O}$
- **Recommended Use:** Pharmaceutical, Food, Nutraceutical, Industrial applications

2. Hazard Identification

- Not classified as hazardous according to GHS
- May cause mild eye, skin, or respiratory irritation if exposed to dust
- No significant environmental hazards identified

3. Composition / Information on Ingredients

Magnesium Sulphate Monohydrate 15% is a preparation containing magnesium sulphate monohydrate as the active component. The product contains approximately 15% w/w

magnesium sulphate monohydrate. No hazardous impurities or stabilizing additives are present that would affect classification or safe handling.

4. First Aid Measures

- **Inhalation:** Move affected person to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash thoroughly with soap and water.
- **Eye Contact:** Rinse cautiously with clean water for at least 15 minutes.
- **Ingestion:** Rinse mouth with water. Drink water. Obtain medical advice if discomfort occurs.

5. Fire-Fighting Measures

- Product is non-flammable
- Use water spray, foam, dry chemical, or CO₂
- No special fire hazards
- Firefighters should wear standard protective equipment

6. Accidental Release Measures

- Avoid formation of dust
- Collect spilled material by sweeping or vacuuming
- Dispose of collected material in accordance with regulations
- Prevent large releases into drains

7. Handling and Storage

- Handle with care to minimize dust generation
- Store in a cool, dry, well-ventilated area
- Keep containers tightly closed and protected from moisture

8. Exposure Controls / Personal Protection

- No occupational exposure limits established

- Ensure adequate ventilation
- Use safety goggles, protective gloves, and dust mask where necessary

9. Physical and Chemical Properties

- Appearance: White crystalline powder
- Odour: Odourless
- Solubility: Soluble in water
- pH: Neutral to slightly acidic (aqueous solution)
- Density: Approx. 2.66 g/cm³

10. Stability and Reactivity

- Stable under recommended storage conditions
- Avoid excessive heat and moisture
- Incompatible with strong acids and oxidizing agents
- Decomposition may produce sulphur oxides

11. Toxicological Information

- Low acute toxicity
- May cause mild eye or skin irritation
- No known chronic or carcinogenic effects

12. Ecological Information

- Not expected to be harmful to aquatic life
- Readily soluble and not bioaccumulative
- Minimal environmental impact when used appropriately

13. Disposal Considerations

- Dispose of material and packaging according to local and national regulations
- Avoid disposal of large quantities into water systems

14. Transport Information (Detailed)

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

Road Transport (ADR/RID):

Not classified as dangerous goods. No special requirements.

Sea Transport (IMDG):

Not regulated as hazardous. Not a marine pollutant.

Air Transport (IATA):

Not classified as dangerous goods. No special labeling required.

Special Precautions:

Protect from moisture and physical damage during transport. Transport in sealed containers.

15. Regulatory Information

- Product is not classified as hazardous under applicable chemical safety regulations
- Complies with general industrial safety standards

16. Other Information

- **Disclaimer:**

The information contained herein is based on current knowledge and is intended as guidance for safe handling, storage, and disposal. It does not constitute a warranty of product properties.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.