

Material Safety Data Sheet (MSDS)

Product Name: Dried Ferrous Sulphate Monohydrate USP 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: Dried Ferrous Sulphate Monohydrate USP Grade

Chemical Name: Ferrous Sulphate Monohydrate (Dried)

Chemical Formula: $\text{FeSO}_4 \cdot \text{H}_2\text{O}$

CAS No.: 17375-41-6

2. Hazards Identification

- Harmful if swallowed in large quantities.
- May cause irritation to eyes, skin, and respiratory tract.
- Prolonged exposure may cause gastrointestinal disturbances.
- Environmental hazard if released in large amounts.

3. Composition / Information on Ingredients

- **Component:** Ferrous Sulphate Monohydrate
- **Concentration:** $\geq 99\%$

4. First Aid Measures

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention.

Ingestion: Do not induce vomiting. Seek immediate medical attention.

5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, CO₂
- **Specific Hazards:** Decomposes to release toxic fumes (sulfur oxides, iron oxides)
- **Protective Equipment:** Wear self-contained breathing apparatus (SCBA)

6. Accidental Release Measures

- Avoid dust formation.
- Wear appropriate personal protective equipment.
- Sweep up and collect material in suitable container.
- Prevent entry into waterways.

7. Handling and Storage

Handling:

- Avoid inhalation of dust.
- Use in well-ventilated area.

Storage:

- Store in a cool, dry, well-ventilated place.
- Keep container tightly closed.
- Protect from moisture and direct sunlight.

8. Exposure Controls / Personal Protection

- **Respiratory Protection:** Dust mask if required
- **Hand Protection:** Protective gloves
- **Eye Protection:** Safety goggles
- **Skin Protection:** Protective clothing

9. Physical and Chemical Properties

- **Appearance:** Pale green to bluish-green powder

- **Odor:** Odorless
 - **pH:** Acidic (approx. 3-4 in solution)
 - **Solubility:** Soluble in water
 - **Melting Point:** Decomposes before melting
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10. Stability and Reactivity

- Stable under recommended storage conditions
 - Avoid moisture and strong oxidizing agents
 - Decomposes on heating
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11. Toxicological Information

- May cause irritation to eyes and skin
 - Ingestion may cause nausea, vomiting, abdominal pain
 - Chronic exposure may affect liver and gastrointestinal tract
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12. Ecological Information

- Harmful to aquatic life in high concentrations
 - Avoid uncontrolled release into environment
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13. Disposal Considerations

- Dispose in accordance with local regulations
 - Avoid discharge into drains or environment
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14. Transport Information (Detailed)

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

Road Transport (ADR/RID):

- Not classified as hazardous material
- Ensure packaging is secure and sealed

Sea Transport (IMDG):

- Not classified as marine pollutant
- Avoid moisture exposure during transit

Air Transport (IATA):

- Not classified as dangerous goods
- Standard packaging instructions apply

Special Precautions:

- Keep away from moisture and incompatible materials
- Avoid dust generation during loading/unloading

15. Regulatory Information

- Complies with USP standards
- Follow applicable local and national regulations

16. Other Information

The information provided in this MSDS is believed to be accurate and is provided in good faith. However, no warranty is expressed or implied regarding its accuracy.

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