

Material Safety Data Sheet (MSDS)

Product Name: Dried Ferrous Sulphate IP Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

1101- City Centre 2,

Science City Road,

Sola Ahmedabad Gujarat,

India - 380060.

Contact No.: +91 97272 88479

Email: info@rawpharmabiz.com

Website: www.rawpharmabiz.com

1. Identification of the Substance/Preparation and Company

- **Product Name:** Dried Ferrous Sulphate IP Grade
- **Synonyms:** Iron(II) Sulphate, Ferrous Sulfate Dried
- **Recommended Use:** Pharmaceutical raw material, iron supplement formulations

2. Hazard Identification

- **GHS Classification:** Not classified as hazardous under normal conditions
- **Potential Health Effects:**
 - Inhalation: May cause mild respiratory irritation
 - Skin Contact: May cause irritation on prolonged contact
 - Eye Contact: Causes eye irritation
 - Ingestion: Harmful if swallowed in excessive quantities

3. Composition / Information on Ingredients

- **Chemical Name:** Ferrous Sulphate (Dried)
- **CAS No.:** 7720-78-7

- **Purity:** As per IP specifications
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4. First Aid Measures

- **Inhalation:** Move person to fresh air
 - **Skin Contact:** Wash with soap and water
 - **Eye Contact:** Rinse cautiously with clean water for at least 15 minutes
 - **Ingestion:** Rinse mouth; seek medical attention if discomfort persists
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5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam
 - **Specific Hazards:** Non-combustible; may decompose on heating
 - **Protective Equipment:** Firefighters should wear protective clothing and breathing apparatus
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6. Accidental Release Measures

- Avoid dust formation
 - Sweep up and collect into suitable containers
 - Dispose according to local regulations
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7. Handling and Storage

- **Handling:** Avoid inhalation of dust and contact with eyes
 - **Storage:** Store in a cool, dry place in tightly closed containers
 - Protect from moisture
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation
- **Personal Protective Equipment:**
 - Gloves
 - Safety goggles
 - Dust mask if required

9. Physical and Chemical Properties

- **Appearance:** Pale green to greenish crystalline powder
- **Odor:** Odorless
- **Solubility:** Soluble in water
- **pH:** Acidic (aqueous solution)

10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Conditions to Avoid:** Excess heat, moisture
- **Incompatible Materials:** Strong oxidizing agents

11. Toxicological Information

- **Acute Toxicity:** Low toxicity under normal use
- **Chronic Effects:** Prolonged ingestion may cause iron overload
- **Target Organs:** Gastrointestinal tract

12. Ecological Information

- No known significant environmental hazards
- Avoid large-scale release into water bodies

13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations
- Do not discharge into drains

14. Transport Information (Detailed)

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

Mode of Transport:

- **Road (ADR):** Not restricted
- **Rail:** Not restricted
- **Sea (IMDG):** Not classified as hazardous
- **Air (IATA):** Not restricted

Special Transport Precautions:

- Transport in tightly sealed, moisture-proof containers
- Protect from physical damage and contamination
- Keep away from foodstuffs during transportation

Environmental Hazards:

- Not a marine pollutant

15. Regulatory Information

- Complies with Indian Pharmacopoeia (IP) standards
- No special labeling required under GHS for pharmaceutical grade material

16. Other Information

- **Disclaimer:**
The information contained herein is based on current knowledge and is intended for guidance only. The user is responsible for compliance with applicable laws and regulations.
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