

Material Safety Data Sheet (MSDS)

Product Name: Zinc Sulphate Monohydrate 33%

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:** Zinc Sulphate Monohydrate 33%
- **Recommended Use:** Animal Feed Supplement, Fertilizers, Industrial Applications

2. Hazard Identification

- **Classification:** Harmful if swallowed
- **Hazard Statements:**
 - Causes eye irritation
 - May cause gastrointestinal discomfort if ingested
- **Precautionary Statements:**
 - Avoid contact with eyes and skin
 - Do not ingest
- **GHS Label Elements:**
 - **Symbol:** ⚠ Warning

3. Composition / Information on Ingredients

- **Chemical Name:** Zinc Sulphate Monohydrate
- **Purity:** 33% Zinc Content
- **CAS No.:** 7446-19-7
- **EC No.:** 231-793-3

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash thoroughly with soap and water.
- **Eye Contact:** Rinse cautiously with water for at least 15 minutes.
- **Ingestion:** Do not induce vomiting. Seek medical advice immediately.

5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, CO₂
- **Special Hazards:** Non-flammable but may emit toxic fumes when heated
- **Protective Equipment:** Self-contained breathing apparatus

6. Accidental Release Measures

- Avoid dust formation
- Sweep and collect into suitable containers
- Prevent entry into waterways

7. Handling and Storage

- **Handling:** Use protective equipment and avoid dust generation
- **Storage:** Store in a cool, dry, well-ventilated area
- **Incompatibilities:** Strong acids and bases

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate ventilation

- **Personal Protective Equipment:**

- Gloves
- Safety goggles
- Dust mask

9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
- **Odour:** Odourless
- **Solubility:** Soluble in water
- **pH:** 4.0 – 6.0 (10% solution)
- **Melting Point:** Decomposes on heating

10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Conditions to Avoid:** Excessive heat and moisture
- **Hazardous Decomposition Products:** Sulphur oxides, zinc oxides

11. Toxicological Information

- **Acute Toxicity:** Harmful if swallowed in large quantities
- **Skin/Eye Effects:** Mild irritation
- **Chronic Effects:** Prolonged exposure may affect gastrointestinal system

12. Ecological Information

- **Eco-toxicity:** Toxic to aquatic organisms in high concentrations
- **Persistence & Degradability:** Not readily biodegradable
- **Bioaccumulation:** Low

13. Disposal Considerations

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

14. Transport Information (Detailed)

- **UN Number:** Not classified as dangerous goods
- **UN Proper Shipping Name:** Zinc Sulphate Monohydrate
- **Transport Hazard Class:** Not regulated
- **Packing Group:** Not applicable
- **Road Transport (ADR/RID):** Not classified as hazardous
- **Sea Transport (IMDG):** Not classified as dangerous
- **Air Transport (IATA):** Not classified as dangerous
- **Environmental Hazards:** Not a marine pollutant
- **Special Precautions:**
 - Keep bags tightly sealed
 - Protect from moisture during transport
 - Avoid rough handling to prevent spillage
- **Bulk Transport:** Allowed in properly sealed containers

15. Regulatory Information

- Complies with applicable industrial chemical regulations
- Not listed as a hazardous substance under major regulations

16. Other Information

- **Revision Note:** Updated as per latest format
- **Disclaimer:**

The information provided is believed to be accurate but does not constitute a guarantee.

Users should determine suitability for their specific application.

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