

Material Safety Data Sheet (MSDS)

Product Name: Talc Powder Technical 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 of the Company

- **Product Name:** Talc Powder Technical Grade
- **Synonyms:** Soapstone, Magnesium Silicate Hydroxide
- **Chemical Formula:** $\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$
- **Intended Use:** Technical, industrial, filler applications, ceramics, paper, paint, rubber, etc.

2. Hazard Identification

- Not classified as hazardous according to GHS.
- **Routes of Exposure:** Inhalation of dust, skin/eye contact.
- **Hazards:** Prolonged inhalation may cause respiratory irritation.

3. Composition/Information on Ingredients

- **Substance:** Talc (Magnesium Silicate Hydroxide)

- **CAS No.:** 14807-96-6
 - **Purity:** Technical Grade (>95%)
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4. First Aid Measures

- **Inhalation:** Move to fresh air, seek medical attention if irritation persists.
 - **Skin Contact:** Wash with soap and water.
 - **Eye Contact:** Rinse with plenty of water. Seek medical advice if irritation continues.
 - **Ingestion:** Rinse mouth, drink water. Get medical attention if symptoms occur.
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5. Firefighting Measures

- **Flammability:** Non-flammable.
 - **Extinguishing Media:** Water spray, foam, dry chemical, or CO₂.
 - **Special Hazards:** Not combustible; no hazardous decomposition products.
 - **Protective Equipment:** Wear suitable protective clothing and self-contained breathing apparatus in case of large fire.
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6. Accidental Release Measures

- Avoid dust formation.
 - Ventilate area.
 - Sweep up and collect in suitable container.
 - Prevent dispersion into drains or soil.
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7. Handling and Storage

- **Handling:** Avoid dust inhalation, use protective equipment.
 - **Storage:** Store in dry, cool, well-ventilated place, away from moisture.
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8. Exposure Controls/Personal Protection

- **Exposure Limit:** OSHA PEL (respirable dust): 2 mg/m³.

- **Engineering Controls:** Local exhaust ventilation recommended.
 - **Personal Protection:**
 - Respiratory: Dust mask or respirator.
 - Hands: Protective gloves.
 - Eyes: Safety goggles.
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9. Physical and Chemical Properties

- **Appearance:** White to off-white fine powder
 - **Odor:** Odorless
 - **pH (10% suspension):** 8–9
 - **Melting Point:** > 900°C (decomposes)
 - **Solubility:** Insoluble in water
 - **Density:** 2.7–2.8 g/cm³
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
 - **Incompatible Materials:** Strong acids, strong oxidizing agents.
 - **Hazardous Decomposition:** None under normal use.
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11. Toxicological Information

- **Acute Toxicity:** Low toxicity.
 - **Inhalation:** Prolonged exposure may cause lung irritation.
 - **Skin Contact:** Non-irritant.
 - **Eyes:** May cause mechanical irritation.
 - **Carcinogenicity:** Non-asbestiform talc is not classified as carcinogenic.
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12. Ecological Information

- **Ecotoxicity:** Not expected to be harmful to aquatic or terrestrial organisms.
- **Persistence & Degradability:** Inorganic, not biodegradable.
- **Mobility in Soil:** Insoluble in water, low mobility.

13. Disposal Considerations

- Dispose in accordance with local regulations.
- Material may be landfilled in compliance with regulations.

14. Transport Information (Detailed)

- **UN Number:** Not regulated as hazardous material.
- **UN Proper Shipping Name:** Not applicable (Talc Powder – Technical Grade).
- **Transport Hazard Class(es):** Not classified.
- **Packing Group:** Not applicable.
- **Environmental Hazards:** Not environmentally hazardous.
- **Special Precautions for User:**
 - Avoid generating airborne dust during transport.
 - Ensure packaging is sealed and secured to prevent spillage.
- **Transport in Bulk (Annex II of MARPOL 73/78 and IBC Code):** Not applicable.
- **Land Transport (ADR/RID):** Not regulated.
- **Sea Transport (IMDG):** Not regulated.
- **Air Transport (IATA):** Not regulated.
- **Additional Notes:** Although not regulated, handle with care to prevent dust exposure to workers and contamination of surrounding environment.

15. Regulatory Information

- Not classified as hazardous under GHS/CLP.
- OSHA: Regulated for occupational dust exposure.

- Local regulations must be followed.

16. Other Information

- This MSDS is issued in accordance with international guidelines.
- Information is believed to be correct but does not claim completeness.
- User must ensure suitability for intended application.

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