

Material Safety Data Sheet (MSDS)

Product Name: Talc Powder
MSDS Generate Date: 20-05-2017
Revision Date: 30-12-2024

Manufacturer / Supplier:

SBF Pharma
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1. Identification of the Substance/Preparation and of the Company

- **Product Name:** Talc Powder
- **Synonyms:** Soapstone, Magnesium Silicate Hydroxide
- **Chemical Formula:** $\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$
- **Intended Use:** Feed additive, anti-caking agent, flow aid, carrier in animal feed formulations.

2. Hazard Identification

- Not classified as hazardous under normal conditions of use.
- **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:** Feed Grade (>99%)
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4. First Aid Measures

- **Inhalation:** Move affected person to fresh air. Obtain medical attention if symptoms persist.
 - **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
 - **Eye Contact:** Flush eyes with clean water for at least 15 minutes. Seek medical attention if irritation persists.
 - **Ingestion:** Rinse mouth with water. Drink plenty of water. Seek medical advice if discomfort occurs.
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5. Firefighting Measures

- **Extinguishing Media:** Water spray, foam, dry chemical, or CO₂.
 - **Special Hazards:** Product is non-flammable and non-combustible.
 - **Protective Equipment:** Standard firefighting equipment and self-contained breathing apparatus.
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6. Accidental Release Measures

- Avoid dust generation.
 - Use dust mask if necessary.
 - Sweep or vacuum carefully.
 - Place material into suitable containers for reuse or disposal.
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7. Handling and Storage

- **Handling:** Minimize airborne dust, Use good industrial hygiene practices, Avoid inhalation of dust.
- **Storage:** Store in tightly closed containers, Keep in a cool, dry, and well-ventilated area, Protect from moisture and contamination.

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.

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

10. Stability and Reactivity

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

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.
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13. Disposal Considerations

- Dispose in accordance with local regulations.
 - Material may be landfilled in compliance with regulations.
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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.
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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
- **Revision Date:** 30-12-2024
- **Website:** www.sbfpharma.com
- MSDS are based on the manufacturer's provided information.