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**CIN:** U24230GJ2011PTC064654

# Material Safety Data Sheet (MSDS)

**Product Name:** Talc Powder BP/USP Grade

**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 BP/USP Grade
- **Synonyms:** Magnesium Silicate, Hydrated Magnesium Silicate
- **CAS Number:** 14807-96-6
- **Molecular Formula:**  $Mg_3Si_4O_{10}(OH)_2$
- **Recommended Use:** Pharmaceutical excipient, cosmetic ingredient, anti-caking agent, tablet filler.

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## 2. Composition / Information on Ingredients

- **Main Component:** Talc (Magnesium Silicate)  $\geq 98\%$
- **Impurities:** Quartz, asbestos-free  $\leq 2\%$

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## 3. Hazards Identification

- **Classification:** Not classified as hazardous under GHS.
  - **Potential Health Effects:**
    - **Inhalation:** May cause respiratory irritation if inhaled in large amounts.
    - **Skin Contact:** Generally non-irritating.
    - **Eye Contact:** May cause mild irritation.
    - **Ingestion:** Low toxicity; may cause gastrointestinal discomfort.
  - **Environmental Hazards:** Non-toxic, non-flammable.
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#### 4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
  - **Skin Contact:** Wash with soap and water.
  - **Eye Contact:** Rinse thoroughly with water for at least 15 minutes.
  - **Ingestion:** Drink water; do not induce vomiting; seek medical advice if discomfort persists.
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#### 5. Fire Fighting Measures

- **Extinguishing Media:** Use water spray, foam, dry powder, or CO<sub>2</sub>.
  - **Special Hazards:** Talc is non-flammable, but dust may form explosive mixtures in air under extreme conditions.
  - **Protective Equipment for Firefighters:** Wear protective clothing and self-contained breathing apparatus.
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#### 6. Accidental Release Measures

- Avoid generating dust.
  - Sweep or vacuum carefully to prevent airborne dispersion.
  - Dispose of in accordance with local regulations.
  - Use appropriate PPE: dust mask, gloves, and safety goggles.
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#### 7. Handling and Storage

- **Handling:** Minimize dust formation; use in well-ventilated areas.
  - **Storage:** Keep container tightly closed; store in a dry, cool place away from incompatible materials.
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## 8. Exposure Controls / Personal Protection

- **Engineering Controls:** Local exhaust ventilation.
  - **Personal Protective Equipment (PPE):**
    - Respiratory protection: dust mask.
    - Eye protection: safety goggles.
    - Skin protection: gloves if handling large quantities.
  - **Occupational Exposure Limits:** Follow local regulatory limits for airborne particulates.
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## 9. Physical and Chemical Properties

- **Appearance:** White to off-white fine powder
  - **Odor:** Odorless
  - **pH:** 9–10 (slurry in water)
  - **Melting Point:** > 1200 °C (decomposes)
  - **Boiling Point:** Not applicable
  - **Solubility:** Insoluble in water
  - **Density:** 2.7–2.8 g/cm<sup>3</sup>
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## 10. Stability and Reactivity

- **Stability:** Chemically stable under normal conditions.
  - **Conditions to Avoid:** Strong acids, bases, and high temperatures.
  - **Incompatible Materials:** Hydrofluoric acid.
  - **Hazardous Decomposition Products:** None under normal conditions.
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## 11. Toxicological Information

- **Acute Toxicity:** Low toxicity.
  - **Chronic Toxicity:** Prolonged inhalation of dust may cause lung fibrosis.
  - **Carcinogenicity:** Talc free from asbestos is not classified as carcinogenic.
  - **Other Information:** Repeated exposure may cause mild irritation to respiratory tract.
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## 12. Ecological Information

- **Aquatic Toxicity:** Non-toxic to aquatic organisms.
  - **Persistence and Degradability:** Inert; does not biodegrade.
  - **Bioaccumulation:** Not expected to bioaccumulate.
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## 13. Disposal Considerations

- Dispose of according to local, regional, and national regulations.
  - Avoid creating dust during disposal.
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## 14. Transport Information (Detailed)

- **UN Number:** Not applicable
- **UN Proper Shipping Name:** Not regulated
- **Transport Hazard Class:** Not classified
- **Packing Group:** Not applicable
- **Environmental Hazards:** No special requirements
- **Transport Precautions:**
  - Handle with care to avoid spillage and dust formation.
  - Ensure containers are closed tightly during transport.
  - Avoid transport with strong oxidizing agents or acids.
  - Storage in transport vehicles should be dry and ventilated.
  - Follow local regulations for bulk transport.

- Talc is considered safe for air, sea, and road transport in general packaging.
- **Labeling Requirements:** Standard precautionary labeling, indicating dust hazard if necessary.

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## 15. Regulatory Information

- **Regulatory Status:** Complies with BP (British Pharmacopoeia) standards.
- **Labeling:** Talc Powder BP Grade; handle with care; avoid inhalation of dust.

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## 16. Other Information

- **Disclaimer:** The information provided in this MSDS is based on current knowledge and is intended to describe the product for safety requirements. It should not be construed as guaranteeing specific properties.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** [www.sbfpharma.com](http://www.sbfpharma.com)
- MSDS are based on the manufacturer's provided information.