

Material Safety Data Sheet (MSDS)

Product Name: Talc Powder BP/USP 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 of the Company

- **Product Name:** Talc Powder BP/USP Grade
- **Synonyms:** Magnesium Silicate, Hydrated Magnesium Silicate
- **CAS Number:** 14807-96-6
- **Molecular Formula:** $\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$
- **Recommended Use:** Pharmaceutical excipient, cosmetic ingredient, anti-caking agent, tablet filler.

2. Composition / Information on Ingredients

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

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.
-

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.
-

5. Fire Fighting Measures

- **Extinguishing Media:** Use water spray, foam, dry powder, or CO₂.
 - **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.
-

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.
-

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.
-

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.
-

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/cm³
-

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.
-

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.
-

12. Ecological Information

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

13. Disposal Considerations

- Dispose of according to local, regional, and national regulations.
 - Avoid creating dust during disposal.
-

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.

15. Regulatory Information

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

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.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.