

Material Safety Data Sheet (MSDS)

Product Name: Talc Powder ETO Treated IP/BP/USP Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

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

Product Name: Talc Powder ETO Treated

Grade: IP/BP/USP

Chemical Name: Hydrated Magnesium Silicate

Product Use: Pharmaceutical excipient, cosmetic ingredient, personal care, industrial applications.

2. Hazards Identification

- Not classified as hazardous according to GHS standards.
- May cause mechanical irritation to eyes.
- Inhalation of high concentrations may cause respiratory discomfort.
- Not flammable and not reactive.

GHS Classification: Not classified

Target Organs: Lungs (long-term inhalation of dust)

Precautionary Statements:

- Avoid generation of dust.
- Use in well-ventilated areas.
- Wear protective mask if dust level exceeds permissible limits.

3. Composition / Information on Ingredients

Chemical Identity: Talc (Hydrated Magnesium Silicate)

CAS No.: 14807-96-6

Purity: $\geq 99\%$

Treatment: Ethylene Oxide (ETO) sterilized

Impurities: No hazardous impurities present.

4. First Aid Measures

Inhalation:

Move to fresh air. If irritation persists, seek medical attention.

Skin Contact:

Non-irritating. Wash with water if required.

Eye Contact:

Rinse thoroughly with clean water for several minutes. Seek medical help if irritation continues.

Ingestion:

Non-toxic. Rinse mouth and drink water. Seek medical attention if discomfort occurs.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, CO₂, dry chemical powder.
- **Special Hazards:** Product is non-flammable and non-explosive.
- **Protective Equipment:** Standard fire-fighting gear recommended.

6. Accidental Release Measures

- Avoid dust formation.
- Use mechanical means to collect spilled material.
- Provide adequate ventilation.
- Prevent material from entering drains in powder form.

7. Handling and Storage

Handling:

- Avoid creating dust.
- Use respiratory protection when airborne dust exceeds limits.
- Maintain good industrial hygiene.

Storage:

- Store in cool, dry, well-ventilated place.
- Keep container sealed when not in use.
- Keep away from moisture to maintain product integrity.

8. Exposure Controls / Personal Protection

Exposure Limits:

- ACGIH TLV for talc (non-asbestiform): 2 mg/m³ (respirable)

Personal Protective Equipment (PPE):

- **Respiratory:** Dust mask (N95 or equivalent)
- **Eye:** Safety goggles if dusty conditions
- **Skin:** Not required; optional gloves for hygiene
- **Ventilation:** Local exhaust recommended

9. Physical and Chemical Properties

- **Appearance:** White to off-white powder
- **Odor:** Odorless

- **pH:** Neutral
 - **Melting Point:** > 900°C
 - **Solubility:** Insoluble in water
 - **Bulk Density:** 0.3–0.9 g/cm³
 - **Flash Point:** Not applicable
 - **Boiling Point:** Not applicable
 - **Stability:** Stable under recommended storage conditions
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10. Stability and Reactivity

- Chemically stable.
 - No hazardous decomposition.
 - Avoid dust generation.
 - No known incompatibilities.
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11. Toxicological Information

- **Acute Toxicity:** Non-toxic.
 - **Skin Irritation:** Non-irritant.
 - **Eye Irritation:** May cause mild mechanical irritation.
 - **Inhalation:** Long-term excessive inhalation may cause lung effects.
 - **Carcinogenicity:** Non-asbestiform talc is NOT classified as carcinogenic.
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12. Ecological Information

- Not harmful to aquatic or terrestrial environments.
 - Insoluble and chemically inert.
 - Does not bioaccumulate.
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13. Disposal Considerations

- Dispose according to local regulations.
- Can be landfilled as inert industrial waste.
- Avoid releasing into air or water systems.

14. Transport Information (DETAILED)

UN Number: Not applicable – material is NOT hazardous for transport.

UN Proper Shipping Name: Not regulated / Talc Powder

Transport Hazard Class: Not classified as dangerous goods

Packing Group: Not applicable

Environmental Hazards: None

Transport Labels: No hazard label required

Transport by Road (ADR/RID):

- Not classified as hazardous.
- Can be transported in standard packaging (bags/drums).
- Ensure packaging is sealed to avoid dust dispersion.

Transport by Sea (IMDG):

- Not regulated.
- No marine pollutant classification.
- Suitable for shipment in containers, lined bags, jumbo bags.

Transport by Air (ICAO/IATA):

- Not controlled as dangerous goods.
- Must be packed to prevent powder leakage during flight.

Special Precautions for Transport:

- Keep containers upright and sealed.
- Protect from moisture.
- Avoid rough handling to prevent powder spillage.
- Ensure proper labeling with product name and manufacturer details.

15. Regulatory Information

- Not classified as hazardous under GHS.
- Complies with IP/BP/USP regulatory specifications.
- No chemical safety assessment required.

16. Other Information

This MSDS is prepared in accordance with international guidelines.

Information provided is believed to be accurate but is intended for safe handling, storage, and transport purposes only.

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