

Material Safety Data Sheet (MSDS)

Product Name: Heavy Kaolin

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 Company

- **Chemical Name:** Kaolin (Heavy)
- **Synonyms:** China Clay, Hydrated Aluminum Silicate
- **CAS Number:** 1332-58-7
- **Chemical Formula:** $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$

2. Composition / Information on Ingredients

- **Kaolin:** $\geq 85\%$
- **Quartz / Silica:** $\leq 10\%$
- **Iron Oxides & Others:** $\leq 5\%$

3. Hazards Identification

- **Emergency Overview:** White to off-white powder, non-flammable, low toxicity.

- **Health Hazards:** Inhalation may cause respiratory irritation. Prolonged exposure may cause lung problems.
 - **Environmental Hazards:** No known significant effects.
-

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 thoroughly with water for at least 15 minutes.
 - **Ingestion:** Rinse mouth, drink water. Seek medical attention if large amounts ingested.
-

5. Fire Fighting Measures

- **Flammability:** Non-flammable
 - **Extinguishing Media:** Use extinguishing media suitable for surrounding fire
 - **Special Hazards:** None
-

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust inhalation.
 - **Cleanup:** Sweep or vacuum to prevent dust dispersion; place in suitable containers.
-

7. Handling and Storage

- **Handling:** Minimize dust generation; use protective equipment.
 - **Storage:** Store in a cool, dry place in tightly closed containers.
-

8. Exposure Controls / Personal Protection

- **Exposure Limits:** OSHA PEL (total dust) – 15 mg/m³; Respirable dust – 5 mg/m³
 - **Personal Protection:** Dust mask, gloves, safety goggles.
-

9. Physical and Chemical Properties

- **Appearance:** White/off-white powder
- **Odor:** Odorless
- **pH:** 4.5–6.5 (suspension)
- **Solubility:** Insoluble in water
- **Melting Point:** Decomposes > 1500°C

10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions
- **Incompatibility:** Strong acids and alkalis may react
- **Hazardous Decomposition Products:** None under normal conditions

11. Toxicological Information

- **Acute Toxicity:** Low
- **Chronic Effects:** Prolonged inhalation may cause lung disease (pneumoconiosis)
- **Irritation:** May cause minor eye and skin irritation

12. Ecological Information

- **Environmental Impact:** Non-toxic to aquatic life
- **Persistence and Degradability:** Naturally occurring, does not bioaccumulate

13. Disposal Considerations

- **Waste Disposal:** Dispose of in accordance with local regulations; avoid dust release
- **Container Disposal:** Clean before reuse or dispose safely

14. Transport Information (Detailed)

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Not applicable

- **Transport Hazard Class:** Not hazardous
 - **Packing Group:** Not applicable
 - **Environmental Hazards:** No special precautions required
 - **Transport Methods:**
 - **Road (ADR/RID):** Not restricted; handle as a bulk powder
 - **Sea (IMDG):** Non-hazardous; store dry and avoid spillage
 - **Air (IATA/ICAO):** Not regulated; package to avoid dust dispersion
 - **Precautions:** Use suitable packaging to avoid moisture and contamination. Avoid creating dust clouds during handling. For bulk transport, ensure containers are sealed and labeled properly. Ensure personnel handling the product wear appropriate PPE to prevent respiratory exposure.
-

15. Regulatory Information

- **Labeling:** Non-hazardous
 - **Regulations:** Complies with local occupational safety regulations
 - **Hazard Symbols:** None
-

16. Other Information

- **Disclaimer:** Information provided is based on current knowledge and intended to describe the product for health, safety, and environmental purposes. It is not a warranty of product performance.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.