



MATERIAL SAFETY DATA SHEET (MSDS)

Gypsum

SECTION 1: Product Identification

Product Name	Gypsum (Calcium Sulfate Dihydrate)
CAS Number	10101-41-4
Chemical Formula	CaSO ₄ .2H ₂ O
HSC No.	2520

SECTION 2: Hazards Identification

GHS Classification: Not classified as hazardous. May cause mild mechanical irritation to eyes and respiratory tract from dust. No signal word or hazard pictograms required.

SECTION 4: First Aid Measures

- Inhalation: Move to fresh air. Seek medical attention if irritation persists.
- Skin: Wash with soap and water.
- Eyes: Flush with water for at least 15 minutes.
- Ingestion: Rinse mouth, drink water. Seek medical advice if large amounts ingested.

SECTION 5: Firefighting Measures

Non-combustible. Use extinguishing media appropriate for surrounding fire. No special hazards from the material itself.

SECTION 8: Exposure Controls

OSHA PEL (Total Dust)	15 mg/m ³
OSHA PEL (Respirable)	5 mg/m ³
ACGIH TLV (Inhalable)	10 mg/m ³

Use dust mask when handling generates dust. Safety glasses recommended. Protective gloves optional.

SECTION 9: Physical Properties

Appearance	White fine powder
Odor	Odorless
Melting Point	150 deg C (dehydration)
Density	2.32 g/cm ³
Solubility in Water	2.0-2.5 g/L at 20 deg C
pH	6.0-7.5



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SECTION 10: Stability and Reactivity

Stable under normal conditions. Dehydrates above 150 deg C to form hemihydrate (plaster of Paris). No hazardous decomposition products under normal conditions.

SECTION 11: Toxicological Information

Low toxicity. Not classified as carcinogenic. Dust may cause mild irritation to eyes and respiratory tract. No chronic health effects expected from normal handling.

SECTION 14: Transport Information

Not classified as dangerous goods. Not regulated under ADR/RID, IMDG, or IATA.