



Paradise Minerals

One of the biggest manufacturer and exporter of Minerals

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MATERIAL SAFETY DATA SHEET (MSDS)

- **Product Identification**

Product Name: Calcite Coarse & Fine (SAW Flux Grade)

Chemical Name: Calcium Carbonate

Synonyms: Limestone Powder, Calcite Mineral

Chemical Formula: CaCO_3

CAS No.: 471-34-1

EC No.: 207-439-9

HSN Code: 25309030

Recommended Use: Raw material for Submerged Arc Welding (SAW) Flux manufacturing.

Manufacturer/Supplier:

Paradise Minerals

Bhiwandi, Maharashtra, India

Website: www.paradiseminerals.in

SECTION 1: Hazard Identification

GHS Classification

Not classified as hazardous.

Signal Word

None

Hazard Statements

- Product is non-hazardous under normal handling conditions.
- Dust may cause temporary irritation to eyes, skin, and respiratory tract.

Precautionary Statements

- Avoid excessive dust generation.
- Use appropriate ventilation.
- Wear suitable PPE during prolonged exposure.

SECTION 2: Composition / Information on Ingredients

Component	CAS No.	Content
Calcium Carbonate (CaCO ₃)	471-34-1	98–100%

SECTION 3: First Aid Measures

Eye Contact

Immediately flush with clean water for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact

Wash with soap and water.

Inhalation

Move the affected person to fresh air. Obtain medical attention if symptoms continue.

Ingestion

Rinse mouth thoroughly with water. Drink water if conscious. Seek medical advice if discomfort occurs.

SECTION 4: Fire Fighting Measures

Flammability: Non-flammable

Suitable Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Hazardous Combustion Products

None.

Protective Equipment

Standard firefighting equipment.

SECTION 5: Accidental Release Measures

- Avoid creating airborne dust.
- Sweep or vacuum material into suitable containers.
- Prevent dust from entering drains.
- Dispose of waste according to local regulations.

SECTION 6: Handling and Storage

Handling

- Avoid breathing dust.
- Use adequate ventilation.
- Wash hands after handling.

Storage

- Store in a cool, dry place.
 - Keep container tightly closed.
 - Protect from moisture.
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SECTION 7: Exposure Controls / Personal Protection

Engineering Controls

Provide adequate local exhaust ventilation.

Personal Protective Equipment

Respiratory Protection

Dust mask (N95 or equivalent) where dust levels are excessive.

Eye Protection

Safety goggles.

Hand Protection

Protective gloves.

Skin Protection

Standard industrial work clothing.

SECTION 8: Physical and Chemical Properties

Property	Value
Appearance	White to Off-white Powder / Granules
Odour	Odourless
Physical State	Solid
pH (10% slurry)	8–9
Melting Point	Decomposes above 825°C
Solubility	Slightly soluble in water
Specific Gravity	2.70–2.75
Bulk Density	1.20–1.60 g/cm ³
Moisture	≤0.5%

SECTION 9: Stability and Reactivity

Chemical Stability

Stable under normal conditions.

Conditions to Avoid

Moisture and contact with strong acids.

Incompatible Materials

Strong acids.

Hazardous Decomposition Products

Carbon dioxide may be released upon decomposition above 825°C.

SECTION 10: Toxicological Information

- Low acute toxicity.
- Dust may cause mechanical irritation to eyes and respiratory system.
- No known carcinogenic, mutagenic, or reproductive hazards.

SECTION 11: Ecological Information

- Not harmful to aquatic organisms.
- Naturally occurring mineral.
- Not bioaccumulative.
- Environmentally stable.

SECTION 12: Disposal Considerations

Dispose of material according to local, state, and national regulations.

Packaging should be recycled or disposed of responsibly.

SECTION 13: Transport Information

Item	Information
UN Number	Not Regulated
Proper Shipping Name	Calcite Coarse & Fine
Hazard Class	Not Applicable
Packing Group	Not Applicable
Marine Pollutant	No

No special transport precautions required.

SECTION 14: Regulatory Information

This product is not classified as hazardous according to the Globally Harmonized System (GHS).

SECTION 15: Recommended Applications

- Submerged Arc Welding (SAW) Flux
 - Welding Consumables
 - Mineral Processing
 - Ceramic Industry
 - Glass Industry
 - Construction Materials
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