



Paradise Minerals

One of the biggest manufacturer and exporter of Minerals

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LIMESTONE POWDER

Safety Data Sheet (SDS)

Premium Grade for Submerged Arc Welding (SAW) Flux Manufacturing

Chemical Name: Calcium Carbonate (CaCO_3)

CAS No.: 1317-65-3

EC No.: 215-279-6

HSN Code: 2521

Appearance: White to Off-White Fine Powder

Product Overview

Paradise Minerals supplies **high-purity Limestone Powder** specially processed for **Submerged Arc Welding (SAW) Flux** manufacturing. Our product provides excellent chemical consistency, controlled particle size, and reliable performance in welding applications.

Key Features

- ✓ High Purity Calcium Carbonate
- ✓ Uniform Particle Size Distribution
- ✓ Low Moisture Content
- ✓ Excellent Chemical Stability
- ✓ Consistent Quality
- ✓ Suitable for SAW Flux & Welding Electrode Manufacturing

Typical Applications

- Submerged Arc Welding (SAW) Flux
- Welding Electrodes
- Metallurgical Industry
- Steel Plants
- Foundries
- Refractory Industry
- Construction Materials
- Chemical Processing

Typical Physical Properties

Property	Value
Chemical Formula	CaCO ₃
Colour	White to Off White
Physical Form	Fine Powder
Odour	Odourless
Solubility	Insoluble in Water
Specific Gravity	2.70–2.75
pH (10% Slurry)	8–10
Moisture	Low

Safety Information

Health Hazards

Limestone Powder is **not classified as hazardous** under GHS. Excessive dust exposure may cause temporary irritation to:

- Eyes
- Nose
- Throat
- Respiratory Tract

First Aid Measures

Eye Contact

Flush with clean water for at least 15 minutes.

Skin Contact

Wash with soap and water.

Inhalation

Move to fresh air. Seek medical attention if irritation continues.

Ingestion

Rinse mouth and drink water.

Fire Fighting Measures

- Non-Flammable Material
- Suitable Extinguishing Media:
 - Water Spray
 - Foam
 - CO₂
 - Dry Chemical Powder

Handling & Storage

- Avoid excessive dust generation.
- Store in a cool, dry place.
- Keep containers tightly closed.
- Protect from moisture.

Personal Protective Equipment (PPE)

- Safety Goggles
- Dust Mask (N95/P2)
- Protective Gloves
- Safety Shoes

Stability & Reactivity

Chemical Stability: Stable under normal conditions.

Avoid Contact With: Strong Acids.

Thermal Decomposition:

Above **825°C**, Limestone decomposes into:

- Calcium Oxide (CaO)
- Carbon Dioxide (CO₂)

Transportation

Not classified as dangerous goods under:

- IMDG
- ADR
- IATA
- RID

Environmental Information

- Environmentally Stable
- Prevent unnecessary dust release
- Dispose according to local regulations

Why Choose Paradise Minerals?

- ✓ Consistent Quality
- ✓ Reliable Supply
- ✓ Custom Particle Size
- ✓ Competitive Pricing
- ✓ Bulk Supply Available
- ✓ Quality Tested Material
- ✓ Industrial Grade Minerals Since 1981