



Calcium Oxide

SAFETY DATA SHEET

Crystal Quest® Manufacturing
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1. Ingredients

Component Name: Calcium Carbonate

CAS#: 471-34-1

%: 100

2. Hazardous Information

Not classified as dangerous according to EC directives. Care must be exercised when machining and creating dust particles.

3. First Aid Measures

Eyes Irrigate thoroughly with water for at least 15 minutes. Obtain medical attention if discomfort persists.

Skin Wash off thoroughly with soap and water. Gently dry area with clean towel.

Inhalation Remove to uncontaminated area.

Ingestion Wash out mouth thoroughly with water. In severe cases obtain medical attention.

4. Fire Fighting Measures

Flash Point Non-ignitable

Unusual Fire Hazards None Known

Extinguishing Media As appropriate to the environment

5. Accidental Release Measures

Cleanup
Wear suitable protective clothing and equipment as listed under Control measures/Personal Protection. Take up and containerize for proper disposal. Avoid making dust

6. Storage

Usage Precautions

Avoid skin contact. Protect against physical damage and avoid generating dust

Storage Precautions

Keep away from foodstuffs. Keep away from acids and strong bases.

7. Control Measures/Personal Protection

Protective gloves made of polyvinyl alcohol (PVA) are required. Use of a laboratory coat is suggested. Safety goggles or glasses with side shields are required if there is any possibility of chipping or dust creation. Respirators must be worn when the threshold limit is exceeded. Provide adequate ventilation and local exhaust ventilation.

When handling quantities of this material, be sure to wear appropriate protective equipment as described. Eye wash should be readily available. Wash thoroughly after handling. Do not take internally. Avoid breathing dust when generated. For persons with sensitive existing medical conditions, medical advice should be sought before employing on tasks involving exposure to this material.

EXPOSURE LIMITS OES, 10mg/m³ long term Total inhalable dust

EXPOSURE LIMITS OES, 4 mg/m³ long term Total respirable dust

8. Physical and Chemical Properties

Appearance:	Clear glassy geometric shapes, no odor
pH in Aqueous Solution:	Not Determined
Boiling Point (760mm Hg):	N/A
Melting Point:	825°C (decomposition)
Flash Point:	N/A
Flammability:	N/A
Explosive Properties:	N/A
Specific Gravity:	2.71
Vapor Pressure:	N/A
Solubility in Water:	Practically insoluble; 0.0014g/100gH ₂ O at 25°C

9. Stability and Reactivity

Stability:	Stable under normal conditions of storage and use.
Hazardous Decomposition:	Liberates carbon dioxide gas in contact with mineral acid
Materials to avoid:	Acids, Fluorine

10. Toxicological Information

Toxic Dose LD50/:	6450mg/kg (oral,rat)
Carcinogenicity:	No evidence of carcinogenic properties
Mutagenicity/Teratogenicity:	No evidence of mutagenic or teratogenic effects
Toxicological findings:	No toxic effects are expected when handled properly.

11. Ecological Information

No environment hazard is anticipated.

12. Disposal Considerations

Disposal Methods: Can be disposed of as ordinary refuse.

13. Transport Information:

Not subject to transport regulations

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