

AERCHEM INC.
320 North Walnut
Bloomington, IN 47404

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

Effective Date: 10-17-95
Product Name: Calcium Oxide
Chemical family: Alkaline Earth Oxide
Chemical Formula: CaO
Trade name: Quick Lime

Hazardous Ingredients: Quicklime contains crystalline silica at levels above 0.1% but less than 1.0%. These levels are "typical" and may change slightly with different lots.

Physical Data:

Boiling point:	N/A
Specific Gravity (Water=1):	N/A
Solubility in water:	Slight
Color:	White powder
Odor:	Odorless
Physical Form:	Crystalline Plates
Vapor Density:	N/A
Vapor pressure:	N/A
Specific Gravity	3.2-3.4
Tap density :	N/A

Fire and Explosion Information:

Flash point:	Non-flammable
(Auto) Ignition temperature:	N/A
Extinguishing media to be recommended:	Use water fog or dry chemical extinguishing media.
Conditions to Avoid:	CaO is not combustible but may cause other material to burn. Extinguish with appropriate media for combustible material.
Special fire and explosions precautions:	When calcium oxide contact water the chemical reaction causes heat sufficient to ignite combustible material.
Fire and explosions hazards:	Until all the calcium oxide has hydrated, heat of chemical reaction will present delayed fire hazards.

Reactivity Data: **Stable** _____ **Unstable** X

Hazardous Decomposition: NH₃CO₂
Hazardous Polymerization: Does not occur
Incompatibilities: Sodium nitrite and nitrates

Handling and Storage Information:

Leak/Spill Information: Spills should be contained, solidified, and placed in suitable containers for disposal in a RCRA licensed facility. This material is RCRA hazardous due to its properties.

Disposal Information: Incinerate in a RCRA licensed facility. Do not discharge into water ways or sewers systems without proper authority. Empty containers with less than 1 inch of residue may

be landfilled at a licensed facility. Recommend crushing or other means to prevent unauthorized reuse. Other containers must be disposed of in a RCRA licensed facility.

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Health Hazard Information:

- A. Exposure/Health Effects** Contact with the eyes and skin may result in slight irritation. Inhalation of the dusts . May result in respiratory irritation. Ingestion of the solid may result in gastric disturbances.
- B. Primary route of entry** Inhalation; Eye; Skin.
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Chronic Exposures: N/A

C. First Aid:

- Inhalation:** Move to fresh air, Aid in breathing, if necessary, and get immediate medical attention
- Ingestion:** If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate attention.
- Skin Contact:** Wash affected areas with soap and water. Remove and launder clothing before reuse. If irritation develops, consult a physician.
- Eye Contact:** Immediately wash eyes with running water for 15 minutes. If irritation develops, consult a physician.
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D. Toxicity Data : None available

Occupational Control Measures: Avoid exposure to heat and excessive temperatures.

Airborne Exposure Limited: If dusts are generated, wear an approved dust respirator

Ventilation Systems: Use local exhaust to control dusting.

Skin Protection: Gloves, coveralls, apron, boots as necessary to prevent skin contact

Eye Protection: Chemical goggles

Special Protection: N/A
