

# Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

## U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



**IDENTITY** Pulverized Metallurgical-grade Limestone  
(CaCO<sub>3</sub> \* MgCO<sub>3</sub>)

*Note: Blank spaces are not permitted. If any item is not applicable, or no  
information is available, the space must be marked to indicate that.*

### Section I

**Manufacturer's Name and Address**

Chemical Lime Company  
3724 Hulen Street  
Fort Worth, Texas 76107

**Emergency Telephone Number**

Chemtrec 800-424-9300

**Information Phone Number**

817-732-8164

**Date Prepared**

11/18/2004

### Section II - Hazardous Ingredients/Identity Information

Hazardous Components	CAS	Common Name	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Calcium carbonate	1317-65-3	Limestone	15 mg/m3	10 mg/m3	6450 mg/kg	74-78%
Magnesium carbonate	546-93-0	Magnesite	15 mg/m3	10 mg/m3		19-23%
Silicon dioxide	14808-60-7	Quartz	*see note below	0.1 mg/m3	4 mg/m3	<2%

\*SiO<sub>2</sub> OSHA PEL: 10 mg/m3 divided by (the percentage of silica in the dust plus 2) (respirable)

### Section III - Physical/Chemical Characteristics

<b>Boiling Point</b>	2850 °C	<b>Melting Point</b>	dec 730 °C	<b>Specific Gravity</b>	2.6 - 2.8 g/cc
<b>Vapor Pressure (mm Hg)</b>	N.A.	<b>Vapor Density</b>	N.A.	<b>Evaporation Rate</b>	N.A.
<b>Solubility in Water</b>	Not soluble in water. pH = 8-9 @ 25°C				
<b>Appearance and Odor</b>	White or gray powder, lump or stone; odorless				

### Section IV - Fire and Explosion Hazard Data

<b>Flash Point</b>	<b>LEL/UEL</b>	<b>Flammable Limits</b>	<b>Extinguishing Media</b>
N.A.	N.A.	N.A.	Not Combustible -- Use extinguishing agent for surrounding fire

**Special Firefighting Procedures/Unusual Fire and Explosion Hazards**

Material will not burn.

### Section V - Reactivity Data

<b>Stability</b>	<b>Conditions to Avoid (stability - related)</b>
Stable	Material is stable

**Incompatibility (Materials to Avoid)**

Acids: Reacts with acids to form CO<sub>2</sub>. Ignites on contact with fluorine.

Incompatible with ammonium salts and magnesium.

**Hazardous Polymerization/Hazardous Decomposition of Byproducts**

Will not occur (none)

### Section VI - Health Hazard Data

**Route(s) of Entry:** Inhalation, Ingestion

**Health Hazards (Acute and Chronic)**

Nuisance dust: Avoid eye contact and breathing dust. Eye contact will cause irritation to occur, breathing will cause coughing, sneezing, or inflammation.

<b>Carcinogenicity:</b>	<b>OSHA?</b>	<b>SiO<sub>2</sub></b>	<b>NTP/IARC Monographs?</b>	<b>SiO<sub>2</sub></b>
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Respirable crystalline silica from occupational sources is classified by IARC as a Group I Carcinogen.

*California Proposition 65: Silica is on the Governor's Proposition 65 list. Components used in this product may contain trace amounts of inherent naturally occurring elements (such as, but not limited to arsenic, cadmium) that are on the Governor's Proposition 65 list.*

**Section VI - Health Hazard Data (continued)****Signs and Symptoms of Exposure**

Eye irritation; coughing or breathing problems.

**Medical Conditions Generally Aggravated by Exposure**

Respiratory problems, asthma, dermatitis or skin or eye sensitivity.

**Emergency and First Aid Procedure**

Flush contaminated area with excess water. If eye contact, rinse eye with eye wash solution or excess water and seek medical attention immediately.

**Section VII - Precautions for Safe Handling and Use****Steps to be Taken in Case Material is Released or Spilled**

Sweep up and avoid breathing dust. Keep away from acids and other incompatible material.

Place in metal container.

**Waste Disposal Method**

Dispose of contaminated material based on other contaminants.

**Precautions to be Taken in Handling and Storage**

Keep away from acids and other incompatible materials.

**Other Precautions**

Avoid eye contact and breathing dust.

**NFPA Rating:** HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

**HMS Rating:** HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

**WHMIS Rating:** D2A

**Section VIII - Control Measures****Respiratory Protection (Specify Type)**

Dust masks meeting the NIOSH N95 rating are sufficient for casual exposure. (42 CFR)

<b>Ventilation</b>	<b>Local Exhaust</b> Vent to dust collector	<b>Special</b>	Do not dispose of dust with combustible materials.
	<b>Mechanical (General)</b> Vent to meet TLV requirements	<b>Other</b>	

**Protective Gloves**

Dry cloth or leather gloves

**Other Protective Clothing or Equipment**

Full clothing to cover arms and legs, safety glasses or face shield.

**Work/Hygienic Practices**

Eye wash and shower station should be readily available.

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References: Sax, N.I. & R.J. Lewis Sr. (1989) "Dangerous Properties of Industrial Materials", New York: Van Nostrand Reinhold Co. Ltd.

Lewis, R.J. (1997) "Hazardous Chemicals Desk Reference", New York: Van Nostrand Reinhold Co. Ltd. KSA