

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 Dolomite (Calcium magnesium carbonate)
(CaCO₃*MgCO₃), and Kiln Dust Mixture

*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

3/27/2007

Section II - Hazardous Ingredients/Identity Information

Hazardous Components	CAS	Common Name	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Dolomite	16389-88-1	Dolomite	15 mg/m ³	10 mg/m ³		N.A.
Magnesium oxide	1309-48-4	Periclase	10 mg/m ³	10 mg/m ³	6 mg/m ³	N.A.
Silicon dioxide	14808-60-7	Quartz	*see note below	0.025 mg/m ³	4 mg/m ³	N.A.
Calcium oxide	1305-78-8	Quicklime	5 mg/m ³	2 mg/m ³	5 mg/m ³	N.A.

*SiO₂ OSHA PEL: 10 mg/m³ divided by (the percentage of silica in the dust plus 2) (respirable)

Section III - Physical/Chemical Characteristics

Boiling Point	2850 °C	Melting Point	dec 730 °C	Specific Gravity	2.6 - 2.9 g/cc
Vapor Pressure (mm Hg)	N.A.	Vapor Density	N.A.	Evaporation Rate	N.A.
Solubility in Water	Not soluble in water. pH = 8-9 @ 25°C				
Appearance and Odor	White or gray powder, lump or stone; odorless				

Section IV - Fire and Explosion Hazard Data

Flash Point	LEL/UFL	Flammable Limits	Extinguishing Media
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

Stability	Conditions to Avoid (stability - related)
Stable	Material is stable

Incompatibility (Materials to Avoid)

Acids: Reacts with acids to form CO₂. 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. Contact lenses should not be worn when working with lime products

Eye contact will cause irritation to occur, breathing will cause coughing, sneezing, or inflammation.

Carcinogenicity: OSHA? SiO₂ NTP/IARC Monographs? SiO₂

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)

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

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