

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

High Calcium Hydrated Lime (Ca (OH)₂)

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 Standard Lime Products Company, LLC	HMIS II RATING Health 2 Flammability 0 Physical Hazard 1 Personal Protective Equipment E
Address(Number, Street, City, State and ZIP Code) 5877 Griffith Street Riverside, CA 92504-1116	
Emergency Telephone Number 951 351-0970	Date Prepared 7-16-2005
Telephone Number for Information 951 351-0970	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Calcium hydroxide 1305-62-0 Hydrated Lime	5 mg/m3	5 mg/m2	7340 mg	>90%
Magnesium hydroxide 1309-42-8 Brucite	N.A.	N.A.	N.A.	<5%
Calcium carbonate 1317-65-3 Limestone	15 mg/m3	10 mg/m3	6450 mg	<5%
Magnesium oxide 1309-48-4 Periclase	15 mg/m3	10 mg/m3	6 mg/m3	<5%
Silica 14808-60-7 Quartz	0.1 mg/m3	0.1 mg/m3	4 mg/m3	<1%
LD50				
oral/rat				

Section III - Physical/Chemical Characteristics

Boiling Point	2850° C	Specific Gravity (H ₂ O=1)	2.2 g/cc
Vapor Pressure (mm Hg)	N. A.	Melting Point	decomposition 580° C
Vapor Density (AIR = 1)	N. A.	Evaporation Rate (Butyl Acetate = 1)	N. A.
Solubility in Water	Slightly Soluble in water		pH = 12.4 @ 25° C
Appearance and Odor	White or gray powder, odorless		

Section IV - Fire and Explosion Hazard Data

Flash Point (Methods Used) Not Applicable	Flammable Limits Not Applicable	LEL N. A.	UEL N. A.
Extinguishing Media	Use extinguishing agent suitable for surrounding fire		
Special Firefighting Procedures	Avoid Skin contact or inhalation of dust		
Unusual Fire and Explosion Hazards	None		

Section V - Reactivity Data

Stability Stable	Conditions to Avoid Material is stable
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Incompatibility (Materials to Avoid)

Acids: React violently and produces heat
 Maleic Anhydride: May react explosively
 Nitro Organic Compounds: May react to form explosive salts
 Phosphorous: May form flammable products when heated

Hazardous Polymerization/Hazardous Decomposition or Byproducts Will not occur (none)

Section VI - Health Hazard Data

Route(s) of entry	Inhalation: Yes	Absorption Through Skin? Yes	Ingestion (swallowing)? Yes
Health Hazards	Acute	Mild to moderate corrosive: Avoid skin and eye contact as irritation will occur	
	Chronic		
<u>Carcinogenicity:</u>	<u>NTP?</u>	<u>IARC Monographs?</u>	<u>OSHA Regulated?</u>
Calcium Hydroxide	NO	NO	NO
Silicon Dioxide	Yes	YES	YES
Free crystalline silica is classified by IARC as "probably carcinogenic to humans"			
Signs and Symptoms of exposure		Skin or eye irritation; coughing or breathing problems Inhalation will cause coughing, sneezing, or inflammation of the respiratory system	
Medical Conditions Generally Aggravated by Exposure		Respiratory problems, asthma Dermatitis or skin or eye sensitivity	
Emergency First Aid Procedure	Remove to fresh air. Wash dust with soap and water. Drink plenty of water if swallowed. If eye contact, wash out eyes with warm water for 30 minutes and seek medical attention immediately.		

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled	Protect skin from contact and avoid inhalation of dust. If material is dry, pick up and keep away from acids or organic materials. Place in metal drums. If material is wet, collect and place in metal drums
Waste Disposal Method	Carefully add water and flush to sewer. Consult local, state, or federal regulations
Precautions to be Taken Handling and Storage	Store in tightly closed containers. Keep dry and away from acids or other incompatible substances. Do not store or ship in aluminum containers

Section VII - Control Measures

Respiratory Protection (Specify Type)

Dust Masks meeting NIOSH N96 rating are sufficient for Casual exposure to mist or dust

Ventilation	Local Exhaust Vent to dust collector	Special
	Mechanical (General) Vent to meet TLV requirements	Other

Protective Gloves

Clean Dry Rubber 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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