

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

Processed Calcium Hydroxide Slurry Ca (OH)<sub>2</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

**Standard Lime Products Company, LLC**

5877 Griffith Street

Riverside, CA 92504-1116

### HMIS II RATING

Health **2**

Flammability **0**

Physical Hazard **1**

Personal Protective Equipment **E**

Emergency Telephone Number

Chemtrec: 800 424-9300

Telephone Number for Information

951 351-0970

Date Prepared

06-21-2005

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/m <sup>3</sup>	5 mg/m <sup>3</sup>	7340 mg	20-50%
Magnesium hydroxide 1309-42-8 Brucite	N.A.	N.A.	N.A.	<5%
Calcium carbonate 1317-65-3 Limestone	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	6450 mg	<5%
Magnesium oxide 1309-48-4 Periclase	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	6 mg/m <sup>3</sup>	<5%
Silicon Dioxide 14808-60-7 Quartz	*See note below	0.1 mg/m <sup>3</sup>	4 mg/m <sup>3</sup>	<2%

\*SiO<sub>2</sub> OSHA PEL – 10 Mg/m<sup>3</sup> divided by (the percentage of silica in the dust plus 2) (respirable)

## Section III - Physical/Chemical Characteristics

Boiling Point	100° C	Specific Gravity (H <sub>2</sub> O=1)	1.2-1.5 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	Material is a slurry of calcium hydroxide in water		pH = 12.4 @ 25° C
Appearance and Odor	White or gray liquid, odorless		

## Section IV - Fire and Explosion Hazard Data

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

## Section V - Reactivity Data

**Stability**

Stable

**Conditions to Avoid**

Material is stable

### Incompatibility (Materials to Avoid)

Acids: Reacts vigorously and produces heat. Maleic Anhydride: May react explosively. Nitro Organic Compounds: May react to form explosive salts. Phosphorous: May form Flammable products when heated. Aluminum: May react to form hydrogen gas.

**Hazardous polymerization/Hazardous Decomposition of Byproducts**

Will not occur (none)

## Section VI - Health Hazard Data

Route(s) of entry Inhalation?-	Inhalation? -	Absorption Through Skin?-	Ingestion (swallowing)? YES
Health Hazards	Acute	Corrosive to skin and eyes. Causes irritation and inflammation to mucous membrane and respiratory passages	
	Chronic		
<u>Carcinogenicity:</u> Calcium Hydroxide Crystalline Silica	<u>NTP?</u> NO YES	<u>IARC Monographs?</u> NO YES	<u>OSHA Regulated?</u> NO YES
Signs and Symptoms of Exposure	Irritation of skin, eyes and respiratory tract		
Medical Conditions Generally Aggravated by Exposure	Respiratory disease, skin condition		
Emergency First Aid Procedure	Flush contaminated area with excess water. If eye contact, rinse eye with warm water for 30 minutes, and		
Emergency First Aid Procedures	Remove to fresh air. Wash dust with soap and water. Flush out eyes with generous amounts of water. Drink plenty of water if swallowed. See Physician		

## 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 mist or dust if material is dry.. Collect by mop or other suitable methods

Waste Disposal Method

Carefully add water to dilute and flush to sewer. Consult local, state, or federal regulations

Precautions to be Taken Handling and Storage

Keep dry and away from acids or other incompatible substances.

Steps to be Taken in Case Material is Released or Spilled	Protect skin and eyes from contact and avoid inhalation of mist. Collect bay mop or other suitable method. Place in steel container.
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Waste disposal Method	Add water to dilute and flush to sewer. Consult local, state, or federal regulators
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Precautions to be Taken in Handling and Storage	Store in tightly closed containers and keep away from acids or other incompatible substances. Do not store or ship in aluminum containers
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## Section VIII - Control Measures

Respiratory Protection (Specify Type)

Dust Masks meeting the NIOSH N95 rating are sufficient for casual exposure to mist or dust

Ventilation	Local Exhaust Not Applicable	Special Do not dispose of dust with combustible materials
	Mechanical (General) Not Applicable	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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