

MISSISSIPPI LIME COMPANY – MATERIAL SAFETY DATA SHEET
OSHA HAZARD COMMUNICATION

PRODUCT IDENTIFICATION

Hydrated Lime

CHEMICAL ABSTRACT NUM.

CAS No. 1305-62-0

DATE REVISED

01/01/2001

Section I

MANUFACTURER

Mississippi Lime Company
P.O. Drawer 31
Highway 61
Ste. Genevieve, MO 63670

24 Hour Emergency Contact

Number: (800) 437-5463

Telephone Number for

Information: (800) 437-5463

Signature of Preparer

HMIS RATING

Health - 2
Flammability - 0
Instability (React) - 0
Protective Equip - E

Section II – Hazardous Ingredients / Identity Information

Hazardous Components

Specific Chemical Identity; Common Names	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Calcium Hydroxide; Slaked Lime; Hydrated Lime	5 mg/m ³	5 mg/m ³		
Crystalline Silica (Quartz)	0.1 mg/m ³	0.05 mg/m ³	Respirable	< 0.10 %

Calcium Hydroxide is not listed on the NTP, IARC, or OSHA lists of carcinogens. Mississippi Lime Company recommends using personal protection equipment when handling this product.

Section III – Physical / Chemical Characteristics

Boiling Point (Calcium Oxide)	5162 °F	Specific Gravity (H ₂ O) = 1)	2.2
Vapor Pressure (mm Hg)	NA	Melting Point	1076 °F
Vapor Density (Air = 1)	NA	Evaporation Rate	NA
Solubility in Water	0.185 % @ 0 ° C; 0.077 % @ 100 ° C		
Appearance and Color	White powder; odorless		

Section IV – Fire and Explosion Hazard Data

Flash Point	NA	Flammable Limits – NA
Extinguishing Method	NA	
Special Fire Fighting Procedures	NA	
Unusual Fire and Explosion Hazards	NA	

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid – NA
	Stable	X	
Incompatibility (Materials to Avoid)	Acids, Fluorine		
Hazardous Decomposition or Byproducts	None		
Hazardous Polymerization	May Occur		Conditions to Avoid – NA
	Will Not Occur	X	

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Section VI – Health Hazard Data

Route(s) of Entry	Inhalation?- YES	Absorption Through Skin? – YES	Ingestion (swallowing)? – YES
Health Hazards	Acute	Corrosive to skin and eyes. Causes irritation and inflammation to mucous membrane and respiratory passages.	
	Chronic		
Carcinogenicity	<u>NTP?</u>	<u>IARC Monographs?</u>	<u>OSHA Regulated?</u>
Calcium Hydroxide	NO	NO	NO
Crystalline Silica	YES	YES	YES
Signs and Symptoms of Exposure	Irritation of skin, eyes, and respiratory tract.		
Medical Conditions Generally Aggravated by Exposure	Respiratory disease, skin condition.		
Emergency and First Aid Procedures	Remove to fresh air. Wash skin 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

Steps to Be Taken in Case Material is Released or Spilled	Normal clean-up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum cleaning systems are recommended.
Waste Disposal Method	Dispose of product in accordance with Federal, State and Local regulations.
Precautions to Be Taken in Handling	Store away from incompatible substances.
Other Precautions	None.

Section VIII – Control Measures

Respiratory Protection - Dust filter mask is recommended as minimal protection		
Ventilation	Local Exhaust – To maintain TLV's and PEL's Mechanical – To maintain TLV's and PEL's	Special – None Other – None
Protective Gloves – Cloth or leather gloves will protect skin		
Eye Protection – Fitted goggles will reduce eye injury		
Other Protective Clothing – Long sleeve shirts and pants		
Work / Hygienic Practices – Maintain dust exposure limits below TLV's and PEL's. If not possible – use respiratory protection		

Section IX – Regulatory Compliance

Listed on the U.S. EPA TSCA Inventory and is not regulated as a hazardous material by the Department of Transportation.