

Material Safety Data Sheets

Type N Hydrated Lime

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Safety
Data
Sheets.**

Material Safety Data Sheet

May be used to comply with

U.S. Department of Labor

Occupational Safety and Health Administration



OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

(Non-Mandatory Form)

Form Approved
OMB No. 1218-0072

IDENTITY Type N Hydrated Lime

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.

Ca(OH)₂

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

6/1/1

Section II - Hazardous Ingredients/Identity Information

Hazardous Components	CAS	Common Name	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Calcium hydroxide	1305-62-0	Hydrated Lime	5 mg/m ³	5 mg/m ³	7340 mg/kg	>90%
Magnesium hydroxide	1309-42-8	Brucite	N.A.	N.A.		<5%
Magnesium oxide	1309-48-4	Periclase	10 mg/m ³	10 mg/m ³	6 mg/m ³	<5%
Calcium carbonate	1317-65-3	Limestone	15 mg/m ³	10 mg/m ³	6450 mg/kg	<3%
Silicon dioxide	14808-60-	Quartz	0.1	0.1 mg/m ³	4 mg/m ³	<2%

Section III - Physical/Chemical Characteristics

Boiling Point	2850 oC	Melting Point	dec. 580 oC	Specific Gravity	2.2 - 2.4 g/cc
Vapor Pressure (mm Hg)	N.A.	Vapor Density	N.A.	Evaporation Rate	N.A.
Solubility in Water	Slightly soluble in water. pH=12.4@25oC				
Appearance and Odor	White or gray powder, odorless				

Section IV - Fire and Explosion

Hazard Data

Flash Point	LEL/UEL	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

Avoid skin contact or inhalation of dust.

Section V - Reactivity

Data

Stability **Conditions to Avoid (stability - related)**

Stable 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 in presence of water to form hydrogen gas.

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)

Avoid skin and eye contact as irritation will occur. Inhalation can cause coughing, sneezing, or breathing problems.

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.

Chemical Lime Type N
Company Hydrate

page 2/2

Section VI - Health Hazard Data (continued)

Signs and Symptoms of Exposure

Skin or 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 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 and eyes from contact and avoid inhalation of dust. If material is dry pick up and keep away from acids or organic materials. Place in steel drums.

Waste Disposal Method

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

Precautions to be Taken in Handling and Storage

Store in tightly closed containers and keep dry and away from acids or other incompatible substances.

Do not store or ship in aluminum containers.

Other Precautions

Avoid eye contact and

breathing dust.

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

HMIS
Rating: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

WHMIS
Rating: D2A, E

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

Protective Gloves	Other Protective Clothing or Equipment
Dry cloth or leather gloves	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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