



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): Hydrated Lime

Generic Name(s):

Chemical Name(s):

Francis Drilling Fluids, LTD.
P.O. Box 1694
Crowley, LA 70527-1694

Emergency/Telephone No.: 800-960-6610
337-783-8685
Hazardous Materials No.: 800-255-3924
Poison Control Center No.: 800-256-9822

II. HAZARDOUS INGREDIENTS

Ingredient	CAS No.	%	Hazard
Calcium Hydroxide	1305-62-0	96-97	
Magnesium Hydroxide	1309-42-8	3-4	

III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

0=LEAST 1=SLIGHT 2=MODERATE 3=HIGH 4 =EXTREME

Health: 1

Fire: 0

Reactivity: 0

IV. PHYSICAL DATA

Boiling Point (°F): NA	Specific Gravity (H ₂ O=1): 2.2-2.3
Vapor Pressure (mm. Hg): NA	Melting Point: ND
Vapor Density (Air = 1): NA	Evaporation Rate: NA
Solubility in Water: 9.18g/100g	pH: NA
Density (lb/cu ft): Bulk 26.5 - 27 lb/ft ³	Odor: Faint earth odor
Appearance: Fine white powder	

V. FIRE AND EXPLOSION DATA

Flash Point: NA	Flammable Limits: LEL: NA UEL: NA
Special Fire Fighting Procedures: NA	
Unusual Fire and Explosion Hazards: NA	
Extinguishing Media: No fire or explosion hazards.	

HYDRATED LIME

VI. REACTIVITY

Stability: Stable, reacts with air slowly to form primarily calcium carbonate.

Hazardous Polymerization: Will no occur

Incompatibility: May react violently with acids, maleic anhydride, nitromethane, nitropropane, nitroparrafins, and phosphorus

Hazardous Decomposition: None

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: Powders and solutions generally cause no problem except in open cuts or sores. On prolonged contact, may cause pain, reddening, and dermatitis.

Eyes: Powders and slurries may cause severe chemical burns. Blindness can result.

Inhalation: May cause severe irritation to mouth, throat, and lungs..

Ingestion: Powders, crystals, or slurries may cause irritation, soreness, and chemical burns. The estimated lethal dose is one pound.

Permissible Exposure Limits: (for air contaminants)

OSHA PEL (8hr. TWA): NA

ACGIH TLV: Magnesium Hydroxide - 5 mg/m³

Carcinogenicity:

Listed By NTP: ND

Listed By: IARC: ND

Listed By OSHA: ND

Acute Oral LD50:

Acute Dermal LD50:

Aquatic Toxicology LC50:

Emergency and First Aid Procedures:

Skin: If irritation develops, remove contaminated clothing immediately, and wash contaminated skin with soap or mild detergent and water for 5 minutes. If irritation persists, seek medical attention.

Eyes: In case of contact, immediately wash eyes with large amounts of water for 15 minutes, occasionally lifting the lower and upper lids. Seek medical attention, if necessary.

Ingestion: If conscious, immediately give person large quantities of water. Seek medical attention, if necessary.

Inhalation: In case of overexposure, immediately move person from contaminated area to fresh air. Give artificial respiration if breathing has stopped, oxygen, if necessary. Get medical attention, if necessary.

Additional Health Hazard Information:

VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Use appropriate safety equipment, Sweep up powders. Dilute with water. Neutralize liquids with dilute hydrochloric acid. Mop up spill..

Waste Disposal Methods: Landfill pre usual solids disposal in keeping with local, state and federal regulations, Not regulated under RCRA.

Handling and Storage Precautions: Store under tightly capped conditions.

IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Ventilation, as described in the Industrial Ventilation Manual produced by the American Conference of Governmental Industrial Hygienists, shall be provided in areas where exposures are above the permissible exposure limits or threshold limit values specified by OSHA or other local, state, and federal regulations.

Respirator: A properly fitted, NIOSH-approved, dust respirator should be worn whenever airborne concentrations exceed the threshold limit value (TLV) or other recommended limits, in accordance with the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Eye Protection: Use approved safety goggles or safety glasses with side shields.

Gloves: Rubber Gloves

Other Protective Clothing or Equipment: Wear coveralls; sinks and showers should be readily available.

X. SPECIAL PRECAUTIONS

XI. ENVIRONMENTAL/SAFETY REGULATION

DEPARTMENT OF TRANSPORTATION

Shipping Name: Not Regulated

Hazard Class: Nonhazardous

Hazardous Substance: NA

Cautionary Labeling: None

NA=Not Applicable; ND=Not Determined or No Data

Date Prepared: June 15, 1995

File Name: lime

The data presented is true and correct to the best of our knowledge and belief; however, neither seller nor preparer make any warranties, express or implied, concerning the information presented. The user is cautioned to perform his own hazard evaluation and to rely upon his own determinations.

HYDRATED LIME