



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): Drilling Fluid "A"

Generic Name(s):

Chemical Name(s): Liquid Mud

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
Caustic Soda	1310-73-2	Conf.	OSHA 2mg/m ³ , ACGIH C 2mg/m ³
(Silica) Quartz	14808-60-7	Conf.	ACGIH (TWA) 0.1mg/m ³
Nuisance Dust	ND	Conf.	ND

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): ND	Specific Gravity (H ₂ O=1):
Vapor Pressure (mm. Hg): ND	Melting Point: ND
Vapor Density (Air = 1): ND	Evaporation Rate: ND
Solubility in Water: Soluble	pH: ND
Density (at 20° C): ND	Odor: Slight fatty acid odor
Appearance: Clear liquid	

DRILLING FLUID "A"

V. FIRE AND EXPLOSION DATA

Flash Point: >200°F	Flammable Limits:	LEL: ND	UEL: ND
Special Fire Fighting Procedures: ND			
Unusual Fire and Explosion Hazards: ND			
Extinguishing Media: Water fog or spray, foam, dry powder, carbon dioxide (CO2).			

VI. REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur.
Incompatibility: Oxidizers or oxidizing materials. Is also slightly reactive with metals.
Hazardous Decomposition: From fire; smoke, carbon dioxide, and carbon monoxide

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:		
Skin: Irritant		
Eyes: Irritant		
Inhalation: Irritant		
Ingestion: ND		
Permissible Exposure Limits: (for air contaminants) ND		
OSHA PEL (8hr. TWA): Caustic Soda 2mg/m ³ , (silica) Quartz(TWA) 0.1mg/m ³		
ACGIH TLV: Caustic Soda - 2mg/m ³ , (silica) Quartz (TWA) 0.1mg/m ³		
Carcinogenicity:		
Listed By NTP: Not listed	Listed By: IARC: Not listed	Listed By OSHA: Not listed
Acute Oral LD50:	Acute Dermal LD50:	Aquatic Toxicology LC50:
Emergency and First Aid Procedures:		
Skin: Wash thoroughly with soap and water.		
Eyes: Flush immediately with plenty of water for at least 15 minutes and get medical attention.		
Ingestion: If swallowed do not induce vomiting, get immediate medical attention.		
Inhalation: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.		
Additional Health Hazard Information::		

VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: In case of fire, use water, foam, dry chemicals or carbon dioxide. In case of spillage, wet down with water and remove immediately.

Waste Disposal Methods: Industrial waste. Follow state regulations.

Handling and Storage Precautions: Store in a cool place away from ignition sources. Store away from oxidizers or materials bearing a yellow "DOT" label.

IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Local exhaust. Mechanical exhaust desired in closed places.

Respirator: NIOSH approved organic vapor mask.

Eye Protection: Use goggles or face shield if splashing is likely.

Gloves: Impervious gloves

Other Protective Clothing or Equipment: HMIS Personal Protection: B: Safety glasses, gloves.

X. SPECIAL PRECAUTIONS

Keep away from heat and flame. Provide fresh air ventilation during and after application. Close container after each use. Avoid breathing dust. Use a vapor/particulate respirator that respirator suppliers recommends as effective for this product. Carefully follow directions for respirator use. Avoid contact with eyes, skin and clothing.

XI. ENVIRONMENTAL/SAFETY REGULATION

DEPARTMENT OF TRANSPORTATION

Shipping Name: Non regulated - Drilling Fluid "A"

Hazard Class: Non regulated

Hazardous Substance: None

Cautionary Labeling: None

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

Date Prepared: July 27, 1995

File Name: Drill-A

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.