



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): FDF Foam

Generic Name(s):

Chemical Name(s): Proprietary

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
This document is prepared pursuant to the OSHA Hazardous Communication Standard (29 CFR 1910.1200). Also, other substance not deemed "Hazardous" per this MSDS may be listed.			

III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

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

Health: 0

Fire: 0

Reactivity: 0

IV. PHYSICAL DATA

Boiling Point (°F): >200°F	Specific Gravity (H ₂ O=1): 1.5
Vapor Pressure (mm Hg): >1.0	Melting Point: ND
Vapor Density (Air = 1): ND	Evaporation Rate: ND
Solubility in Water: Soluble	pH: 7.0 - 8.0
Bulk Density: ND	Percent Volatile by Volume: ND
Appearance: Dark blue liquid	Odor: Pungent chemical

V. FIRE AND EXPLOSION DATA

Flash Point: > 200°F

Flammable Limits: LEL: ND UEL: ND

Special Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Shut off source, if possible. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment and/or garments if conditions warrant. Water fog or spray may be used to cool exposed containers and equipment.

Unusual Fire and Explosion Hazards: ND

Extinguishing Media: Dry chemical, foam, water or carbon dioxide (CO₂), earth/sand.

VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: Will Not Occur

Incompatibility: Strong acids/bases, high temperatures, materials reactive with Hydroxyls.

Hazardous Decomposition: Combustion may produce smoke, oxides of carbon.

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: Acute effects - May cause irritation. Subchronic and Chronic effects - no known applicable information

Eyes: Acute effects - direct contact with liquid may cause mild irritation; Subchronic and Chronic effects - no known applicable information.

Inhalation: Acute effects - May cause irritation. Subchronic and Chronic effects - no known applicable information.

Ingestion: Acute effects - May cause gastrointestinal upset, nausea, vomiting, lethargy or diarrhea. Harmful or fatal if swallowed. Chronic - no data available.

Permissible Exposure Limits: (for air contaminants)ND

OSHA PEL (8hr. TWA): ND

ACGIH TLV: ND

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: Wash skin with soap and water. If irritation or adverse symptoms develop, seek medical attention.

Eyes: Flush eyes with running water for 15 minutes. If irritation or adverse symptoms develop, seek medical attention.

Ingestion: Do not induce vomiting; administer large quantities of water and seek medical assistance. Do not give water to unconscious/convulsing person. If illness or adverse symptoms develop, seek medical attention.

Inhalation: Remove from exposure. If breathing difficulties persist after 15 minutes seek medical assistance.

Additional Health Hazard Information:

VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Wear protective equipment and/or garments if exposure conditions warrant. Shut off source, if possible and contain spill. Keep out of water sources and sewers. Absorb in dry, inert material (sand, clay, etc.). Sweep up and place in D.O.T. approved disposal containers.

Waste Disposal Methods: Disposal must be arranged in accordance with local, state and federal regulations.

Handling and Storage Precautions: Keep containers tightly closed, store in cool, dry place.

IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Use adequate ventilation. Local exhaust is recommended.

Respirator: Not generally required. In case of spill or leak resulting in unknown concentration, use NIOSH/MSHA approved supplied air respirator.

Eye Protection: Use chemical goggles

Gloves: Impervious

Other Protective Clothing or Equipment: The above information is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist other qualified professional be sought.

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: August 8, 1995

File Name: FDF Foam

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.