



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): FDF Defoam E	
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 product does not meet the definition of a hazardous chemical given in 29 CFR Part 1910.1200 (OSHA). Information on this form is furnished as a customer service.			

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): ND	Specific Gravity (H ₂ O=1): 1.0-1.07 @ 77°F (25°C)
Vapor Pressure (mm Hg): <1mmHg @ 77°F (25°C)	Melting Point: ND
Vapor Density (Air = 1): ND	Evaporation Rate: ND
Solubility in Water: Slightly	pH: ND
Bulk Density: ND	Percent Volatile by Volume: <0.1
Appearance: Clear to slightly yellow liquid	Odor: Slightly musty

V. FIRE AND EXPLOSION DATA

Flash Point: > 400°F (> 204°C) (COC)	Flammable Limits: LEL: ND UEL: ND
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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: Carbon oxides may be released when burned.

Extinguishing Media: Dry chemical, foam, water or carbon dioxide (CO2)

VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: Will Not Occur

Incompatibility: Excessive heat, strong oxidizers.

Hazardous Decomposition: Carbon oxides formed when burned.

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: Acute effects - no adverse effects expected; Subchronic and Chronic effects - no known applicable information

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

Inhalation: Acute effects - no adverse effects expected; Subchronic and Chronic effects - no known applicable information.

Ingestion: Acute effects - May cause gastrointestinal upset, nausea, vomiting, lethargy or diarrhea; - Subchronic and Chronic effects - no known applicable information.

Permissible Exposure Limits: (for air contaminants)

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. If irritation or adverse symptoms develop, seek medical attention.

Ingestion: If illness or adverse symptoms develop, seek medical attention.

Inhalation: Remove from exposure. If illness or adverse symptoms develop, seek medical attention.

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 disposal containers.

Waste Disposal Methods: Disposal must be arranged in accordance with local, state and federal regulations. Incinerate or place in permitted waste management facility. Prior to disposal consult your environmental contact to determine if TCLP (Toxicity Characteristic Leaching Procedure, EPA Test Method 1311) is required. Reference 40 CFR Part 261.

Handling and Storage Precautions: Contact immediate supervisor for instructions before work is initiated. Wear protective equipment if exposure conditions warrant.

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: Not generally required

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

As of the preparation date, this product did not contain a chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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 13, 1995

File Name: Defoam

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.