



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): FDF Detergent	
Generic Name(s): Detergent	
Chemical Name(s): Propriety Mixture	
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
None			

III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

0=LEAST	1=SLIGHT	2=MODERATE	3=HIGH	4 =EXTREME
Health: 1				
Fire: 0				
Reactivity: 3				

IV. PHYSICAL DATA

Boiling Point (°F): >200° F	Specific Gravity (H ₂ O=1): 1.05
Vapor Pressure (mm. Hg): >1.0	Melting Point: ND
Vapor Density (Air = 1): NA	Evaporation Rate: (Butyl Acetate = 1): NA
Solubility in Water: Soluble	pH: 7 - 8 (5% aqueous)
Density (at 20° C): ND	Odor: strong chemical
Appearance: Liquid	Viscosity SSU @ 100° F: NA

V. FIRE AND EXPLOSION DATA

Flash Point: >200°F	Flammable Limits: LEL: NA UEL: NA
Special Fire Fighting Procedures: No special procedures required.	
Unusual Fire and Explosion Hazards: None	
Extinguishing Media: Water, CO ₂ , foam, dry chemical, sand.	

VI. REACTIVITY

Stability: Stable
Hazardous Polymerization:
Incompatibility: Strong acids, high temperatures, materials reactive with hydroxyls.
Hazardous Decomposition: Oxides of carbon, combustion may produce smoke

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:
Skin: Irritant
Eyes: Irritant
Inhalation: Irritant
Ingestion: Irritant
Permissible Exposure Limits: (for air contaminants)
OSHA PEL (8hr. TWA): ND
ACGIH TLV: ND
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 with soap and water
Eyes: Flush with large amounts of water
Ingestion: Do not induce vomiting, drink large amounts of water.
Inhalation: Move to well ventilated area, call a physician if irritation continues.

Additional Health Hazard Information:

VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Absorb product with inert material. Slippery when wet, avoid water.
Waste Disposal Methods: Dispose of in accordance with applicable local, state and federal regulations.
Handling and Storage Precautions: Avoid practices which produce dust. Store away from heat, flame and spark source.

IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Mechanical, general room ventilation
Respirator: A NIOSH approved respirator
Eye Protection: Face shield may be used.
Gloves: Personal preference.
Other Protective Clothing or Equipment:

X. SPECIAL PRECAUTIONS

Store in cool, dry place. Keep container tightly sealed.

XI. ENVIRONMENTAL/SAFETY REGULATION

DEPARTMENT OF TRANSPORTATION

Shipping Name: Not Required	Hazard Class: None
Hazardous Substance: None	
Cautionary Labeling: None	
NA=Not Applicable; ND=Not Determined or No Data	Date Prepared: June 14, 1995

File Name: detergen

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.