



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): D/FLOC-L

Generic Name(s): Trade secret blend

Chemical Name(s): Unknown - trade secret

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.	%	
Nonhazardous ingredients			

III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

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

Health: 1

Fire: 1

Reactivity: 0

IV. PHYSICAL DATA

Boiling Point (°F): NA	Specific Gravity (H ₂ O=1): 1.2
Vapor Pressure (mm. Hg): NA	Melting Point: ND
Vapor Density (Air = 1): NA	Evaporation Rate: ND
Solubility in Water: At 20° C: 100% miscible	pH: 5.5
Density (at 20° C): NA	Odor: Vanilla odor
Appearance: Brown Liquid	

V. FIRE AND EXPLOSION DATA

Flash Point: NA

Flammable Limits: LEL: ND UEL: ND

Special Fire Fighting Procedures: Use supplied breathing air and protective clothing.

Unusual Fire and Explosion Hazards: Cool exposed containers with water spray.

Extinguishing Media: Use water spray, carbon dioxide, dry chemical, alcohol type, or universal type foams applied by manufacturer's recommended techniques.

VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: No polymerization.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition: Sulfur dioxide, carbon dioxide and carbon monoxide & oxides of nitrogen.

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: Irritant

Eyes: Irritant

Inhalation: Irritant to respiratory tract.

Ingestion: ND

Permissible Exposure Limits: (for air contaminants) ND

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: Flush with clean water.

Eyes: Irrigate with potable water.

Ingestion: Give water to dilute and get medical attention.

Inhalation: Remove from dusty area.

Additional Health Hazard Information:.

VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Mechanically collect and remove spilled material. Area may be washed with water if desired.

Waste Disposal Methods: Incinerate, bury or flush to sewer in accordance with applicable Local, State and Federal regulations.

Handling and Storage Precautions: Normal precautions common to good manufacturing practices should be followed in handling and storage.

IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Adequate ventilation for comfort is recommended. Refer to the ACGIH document "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

Respirator: Avoid breathing spray and mist. Use with adequate ventilation and employ respiratory protection.

Eye Protection: Goggles recommended for prolonged exposure.

Gloves: Gloves recommended for prolonged exposure.

Other Protective Clothing or Equipment: Personal hygiene should be strongly encouraged so that all clothing items which contact skin are changed daily.

X. SPECIAL PRECAUTIONS

XI. ENVIRONMENTAL/SAFETY REGULATION

DEPARTMENT OF TRANSPORTATION

Shipping Name: Not restricted

Hazard Class: Nonhazardous

Hazardous Substance: NA

Cautionary Labeling: None required

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

Date Prepared: July 24, 1995

File Name: D/Floc-L

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.