



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): Product FLR-A

Generic Name(s): Asphalt

Chemical Name(s):Asphaltic Bitumen

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: 0

### IV. PHYSICAL DATA

Boiling Point (°F): Variable	Specific Gravity (H <sub>2</sub> O=1): 0.82 gm/cm <sup>3</sup>
Vapor Pressure (mm. Hg): NA	Melting Point: ND
Vapor Density (Air = 1): NA	Evaporation Rate: ND
Solubility in Water: Insoluble	pH: ND
Density (at 20° C): NA	Odor: Typical asphaltic odor
Appearance: Black powder	

### V. FIRE AND EXPLOSION DATA

Flash Point: +200°F (PMCC)                      Flammable Limits:                      LEL: ND                      UEL: ND

Special Fire Fighting Procedures: Due to nature of product, fire may be difficult to contain.

Unusual Fire and Explosion Hazards: May explode if ignited while suspended in air.

Extinguishing Media: Water spray, carbon dioxide, dry or chemical foam are safe to use.

## VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatibility: Strong oxidizers

Hazardous Decomposition: Oxides of carbon, nitrogen, and sulfur.

## VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: No adverse effects anticipated.

Eyes: May cause ocular irritation.

Inhalation: May cause slight respiratory irritation.

Ingestion: No adverse effects anticipated.

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: Wash off with soap and water.

Eyes: Irrigate for several minutes with warm water holding back eyelids to ensure complete removal of product.

Ingestion: No first aid anticipated.

Inhalation: Remove to fresh air. If symptoms develop, consult a physician.

Additional Health Hazard Information::

## VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Remove via grading. Hose area with water.

Waste Disposal Methods: Suitable for landfill, according to applicable laws.

Handling and Storage Precautions: Do not store near excessive heat or flame. Never handle in areas with inadequate ventilation.

## IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Local or mechanical (general) recommended.

Respirator: Wear dust mask when airborne dust concentration is high.

Eye Protection: Dust goggles.	
Gloves: Cotton gloves.	
Other Protective Clothing or Equipment: Wear full length clothing.	
<b>X. SPECIAL PRECAUTIONS</b>	
<b>XI. ENVIRONMENTAL/SAFETY REGULATION</b>	
<b>DEPARTMENT OF TRANSPORTATION</b>	
Shipping Name: Not regulated	Hazard Class: Nonhazardous
Hazardous Substance: None	
Cautionary Labeling: None	
NA=Not Applicable; ND=Not Determined or No Data	Date Prepared: August 4, 1995

File Name: Asphalt

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.