



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): FDF Job-R Drilling Additive

Generic Name(s):

Chemical Name(s): Linear Alkyi Epoxide Polymer

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: 1

Fire: 0

Reactivity: 0

### IV. PHYSICAL DATA

Boiling Point (°F): ND	Specific Gravity (H <sub>2</sub> O=1): NA
Vapor Pressure (mm. Hg): ND	Melting Point: ND
Vapor Density (Air = 1): ND	Evaporation Rate: (Butyl Acetate = 1): ND
Solubility in Water: ND	pH: ND
Density (at 20° C): ND	Odor: Slight ammonia
Appearance: Clear viscous liquid	Autoignition Temperature: 536°F ASTM D 1929

### V. FIRE AND EXPLOSION DATA

Flash Point: 500 ° F	Flammable Limits:      LEL: ND      UEL: ND
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Special Fire Fighting Procedures: Do not use a solid stream of water, it may scatter molten material and spread a fire. Use self contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: None

Extinguishing Media: Use water spray (fog) carbon dioxide, dry chemical, regular alcohol, or universal type foam applied by manufacturer's recommended technique.

## VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: Will Not Occur

Incompatibility: None

Hazardous Decomposition: Combustion may lead to formation of Carbon Monoxide and/ or Carbon Dioxide.

## VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects: Acute Overexposure

Skin: None currently known

Eyes: None currently known

Inhalation: None currently known

Ingestion: May possibly cause nausea. None currently known

Permissible Exposure Limits: (for air contaminants)

OSHA PEL (8hr. TWA): None established

ACGIH TLV: None established

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 skin with soap and water until clean.

Eyes: Flush eyes with clear water.

Ingestion: No harmful effects expected.

Inhalation: No emergency care anticipated.

Additional Health Hazard Information: Note to Physician: Toxicology studies have shown the material to be of very low acute toxicity and nonirritant. There is no specific antidote. Treatment of over exposure should be directed at the control of symptoms the clinical condition.

## VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Wash down area of spillage with copious amounts of water. Area can be extremely slick, then rinse with copious amounts of water.

Waste Disposal Methods: Product should be disposed of in accordance with applicable local, state and federal regulations.

Handling and Storage Precautions:

## IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: None	
Respirator: None	
Eye Protection: Wear protective goggles.	
Gloves: Rubber gloves.	
Other Protective Clothing or Equipment:	
<b>X. SPECIAL PRECAUTIONS</b>	
<b>XI. ENVIRONMENTAL/SAFETY REGULATION</b>	
EPA Status: Approved for unrestricted use as an insert substance in drilling mud applications.	
<b>DEPARTMENT OF TRANSPORTATION</b>	
Shipping Name: Non Hazardous	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: jobr

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.