



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): Diesel Fuel

Generic Name(s):

Chemical Name(s): Hydrocarbons and additives

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
Diesel Fuel	68334-30-5	100	

### III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

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

Health: 1

Fire: 2

Reactivity: 0

### IV. PHYSICAL DATA

Boiling Point (°F): >300 (149)	Specific Gravity (H <sub>2</sub> O=1): ND
Vapor Pressure (mm. Hg): 20C: 0.5	Melting Point: NA
Vapor Density (Air = 1): ND	Evaporation Rate: ND
Solubility in Water: Negligible	pH: NA
Density (at 20° C): 15/4C: 0.82-0.87	Odor: Hydrocarbon
Appearance: Clear (may be dyed)	Viscosity @ 40C, CS: >1.0 Viscosity @ 100C, CS: NE
Pour Point F(C): <20(-7)	

**DIESEL FUEL**

## V. FIRE AND EXPLOSION DATA

Flash Point: > 125 (52)	Flammable Limits: LEL: 0.6% UEL: 7.0%
Special Fire Fighting Procedures: Use water to keep fire exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect personnel attempting to stop leak. Water spray may be used to flush spills away from exposures. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards: Material is combustible.	
Extinguishing Media: Carbon dioxide, foam, dry chemical and water fog.	

## VI. REACTIVITY

Stability: Stable Conditions to avoid: Heat, sparks, flame and build up of static electricity.
Hazardous Polymerization: Will not occur.
Incompatibility: Halogens, strong acids, alkalis, and oxidizers.
Hazardous Decomposition: Carbon monoxide.

## VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:		
Skin: Prolonged, repeated skin contact may result in skin irritation or more serious skin disorders.		
Eyes: ND		
Inhalation: Respiratory irritation, dizziness, nausea, loss of consciousness.		
Ingestion: ND		
Permissible Exposure Limits: (for air contaminants) ND		
OSHA PEL (8hr. TWA): ND		
ACGIH TVL: ND		
Carcinogenicity:		
Listed By NTP: Listed	Listed By: IARC: Not listed	Listed By OSHA: Listed
Acute Oral LD50:	Acute Dermal LD50:	Aquatic Toxicology LC50:
Emergency and First Aid Procedures:		
Skin: Dry-wipe the skin. Cleanse the area with waterless hand cleaner, and follow by washing thoroughly with soap and water. Remove contaminated clothing. Launder clothing before reuse. Discard shoes if material has penetrated to inside surface.		
Eyes: Flush thoroughly with water. If irritation occurs, call a physician.		
Ingestion: Do not induce vomiting. Give 1 or 2 glasses of water. Get medical assistance.		
Inhalation: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, use mouth to mouth resuscitation.		

Additional Health Hazard Information::

Note to Physicians: Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately.

### VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

Waste Disposal Methods: Product is suitable for burning for fuel value in compliance with applicable laws and regulations.

Handling and Storage Precautions: Harmful in contact with or absorbed through the skin. Avoid inhalation of vapors or mists. Store in a cool area. A flammable atmosphere can be produced in storage tank headspaces even when stored at a temperature below the flashpoint. Monitor and maintain headspace gas concentrations below flammable limits. Ensure that there are no ignition sources in the area immediately surrounding filling and venting operations. Avoid sparking conditions. Ground and bond all transfer equipment. Store in a cool area. Materials must be labeled: Combustible.

### IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Use in well ventilated area. Ventilation desirable and equipment should be explosion proof.

Respirator: No special requirements under ordinary conditions of use and adequate ventilation.

Eye Protection: If splash with liquid is possible, chemical type goggles should be worn.

Gloves: Impervious gloves must be worn.

Other Protective Clothing or Equipment: If contact is likely oil impervious clothing must be worn.

### X. SPECIAL PRECAUTIONS

### XI. ENVIRONMENTAL/SAFETY REGULATION

Governmental Inventory Status: All components comply with TSCA, and EINECS/ELINCS.

Note: The flash point of this material is >125°F. Regulatory classifications vary as follows:

DOT: Flammable liquid or combustible liquid (49CFR 173.120(b)(2))

OSHA: Combustible Liquid

IATA/IMA: Flammable Liquid

EC: Flammable Liquid

US OSHA Hazard Communication Standard: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined to be hazardous.

RCRA Information: The disposal of the unused product may be subject to RCRA regulations per 40 CFR Part 261 for the reasons including but not limited to ignitability, corrosivity, reactivity or formulation with the contaminants listed in the Toxicity Characteristic (TC) Rule as determined by the Toxicity Characteristic Leaching Procedure (TCLP). Disposal of the used product may be regulated.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "Extremely Hazardous Substances".

SARA (311/312) Reportable Hazard Categories:

Fire Chronic

This product contains no chemicals reportable under SARA (313) toxic release program.

**DEPARTMENT OF TRANSPORTATION**

Shipping Name: Diesel Fuel, 3, NA1993 , PG III

Hazard Class: Combustible

Hazardous Substance: None

Cautionary Labeling: None

Placard: NA1993

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

Date Prepared: August 8, 1995

File Name: Diesel

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.

**DIESEL FUEL**