



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): Drillmax

Generic Name(s):

Chemical Name(s): Chemical formula: Variable

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
Petroleum Distillate	8002-05-9	40	OSHA PEL 400ppm

### III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

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

Health: 0

Fire: 1

Reactivity: 0

### IV. PHYSICAL DATA

Boiling Point (°F): >600°F	Specific Gravity (H <sub>2</sub> O=1): 0.84 - 0.96
Vapor Pressure (mm. Hg): ND	Melting Point: NA
Vapor Density (Air = 1): ND	Evaporation Rate: ND
Solubility in Water: Negligible	pH: ND
Density (at 20° C): Bulk Density 7.5 lb/gal	Odor: Hydrocarbon
Appearance: Amber Liquid	

### V. FIRE AND EXPLOSION DATA

Flash Point: 197°F PMCC      Flammable Limits:      LEL: ND      UEL: ND

Special Fire Fighting Procedures: Pressure demand self-contained breathing apparatus may be required.

Unusual Fire and Explosion Hazards: Do not expose to open flame. System does not present unusual fire hazard.

Extinguishing Media: Carbon dioxide, dry or foam chemicals, water-fog or spray.

## VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatibility: Oxidizers

Hazardous Decomposition: Biodegradable

## VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: Prolonged or repeated skin contact may cause mild skin irritation.

Eyes: Liquid irritating to eyes.

Inhalation: Excessive exposure may cause irritation to nose and throat.

Ingestion: Irritant

Permissible Exposure Limits: (for air contaminants) ND

OSHA PEL (8hr. TWA): 400ppm

ACGIH TLV: NA

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. Launder clothes prior to reuse.

Eyes: Flush with water for at least 15 minutes. If irritation persists seek medical aid.

Ingestion: Drink water to dilute. Do not induce vomiting. Call physician.

Inhalation: Remove to fresh air. None required.

Additional Health Hazard Information::

Chronic effects of exposure: Some mineral oils have been shown to cause skin tumors in mouse lifetime painting studies.  
Toxicity Data: Mineral oil- TDLO mouse, 1300 mg/kg 13 weeks intermittent. Oral- rat LD50 >15 g/kg.

Other instructions: Ordinary measures of personal hygiene should be observed. Sensitive individuals should avoid further contact. If irritation persists, seek medical attention.

## VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Contain spill. Recycle or redrum if possible. Keep out all sources of ignition. Add absorbent. Sweep into waste container. Keep out of sewer and waterway.

Waste Disposal Methods: Material is not a hazardous waste by RCRA standards. Dispose according to local or state regulations dealing with oily waste.

Handling and Storage Precautions: Store in dry area. Keep away from heat and open flame.

## IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Supply adequate natural or mechanical ventilation.

Respirator: Use an approved NIOSH/MSHA respirator.

Eye Protection: Wear chemical safety glasses.

Gloves: Wear cotton or rubber gloves.

Other Protective Clothing or Equipment: Wear long, protective clothing.

## X. SPECIAL PRECAUTIONS

## XI. ENVIRONMENTAL/SAFETY REGULATION

### DEPARTMENT OF TRANSPORTATION

Shipping Name: Combustible Liquid, N.O.S., NA1993  
(Hydrocarbon/Fatty Acid Blend), PGIII \* Not restricted  
in container of 110 gallons (420 liters) or less.

Hazard Class: Combustible

Hazardous Substance: None

Cautionary Labeling: Warning: Combustible liquid.  
May cause irritation.

Placard: NA1993

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

Date Prepared: August 8, 2005

File Name: Drillmax

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.