



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): FDF Bentonite NT

Generic Name(s): Wyoming Bentonite, Sodium Montmorillonite

Chemical Name(s):

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: 0

Fire: 0

Reactivity: 0

IV. PHYSICAL DATA

Boiling Point (°F): NA	Specific Gravity (H ₂ O=1): 2.5
Vapor Pressure (mm. Hg): NA	Melting Point: ND
Vapor Density (Air = 1): NA	Evaporation Rate: NA
Solubility in Water: NA	pH: NA
Density (at 20° C): 47 lbs/cubic foot	Odor: None
Appearance: Light tan to gray powder	Freezing Point: NA

V. FIRE AND EXPLOSION DATA

Flash Point: NA	Flammable Limits: LEL: NA UEL:NA

Special Fire Fighting Procedures: Aquagel is not flammable and not explosive, does not support combustion.

Unusual Fire and Explosion Hazards: NA

Extinguishing Media: Water

VI. REACTIVITY

Stability: This product is stable under normal drilling conditions

Hazardous Polymerization: None

Incompatibility: None

Hazardous Decomposition: None

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: None reported.

Eyes: Irritant

Inhalation: Bentonite contains small amounts of free silica prolonged inhalation may cause lung injury, or disease.

Ingestion: None reported.

Permissible Exposure Limits: (for air contaminants)

OSHA PEL (8hr. TWA): ND

ACGIH TLV: Non Toxic Nuisance Dust 2 mg/m³

Carcinogenicity:

Listed By NTP: ND

Listed By: IARC: ND

Listed By OSHA: ND

Acute Oral LD50:

Acute Dermal LD50:

Aquatic Toxicology LC50: 10,000 mg/l

Emergency and First Aid Procedures:

Skin: Normal Hygiene

Eyes: Normal Hygiene

Ingestion: None required.

Inhalation: None required.

Additional Health Hazard Information::

VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Normal housekeeping, causes slippery surfaces when wet

Waste Disposal Methods: Mud wastes should be disposed of in designated disposal areas.

Handling and Storage Precautions: Aquagel is non hazardous, no hazards are involved with normal handling.

IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Mechanical, general room ventilation

Respirator: Use a NIOSH approved mechanical filter respirator for non toxic dusts.

Eye Protection: None required	
Gloves: None required	
Other Protective Clothing or Equipment:	
X. SPECIAL PRECAUTIONS	
Avoid prolonged inhalation.	
Recommended Label:	
Front Panel: Caution, See back panel for caution before use.	
Back Panel: Caution, This product contains free silica. Prolonged inhalation of the powder may result in lung disease. Avoid creating dusty conditions and use a NIOSH approved dust respirator.	
XI. ENVIRONMENTAL/SAFETY REGULATION	
DEPARTMENT OF TRANSPORTATION	
Shipping Name: Not hazardous	Hazard Class: Not hazardous
Hazardous Substance: None	
Cautionary Labeling: (See Section X)	
NA=Not Applicable; ND=Not Determined or No Data	Date Prepared: June 6, 1995

File Name: FDF Bentonite NT

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.