



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): Benex	
Generic Name(s):	
Chemical Name(s): Sodium Polyacrylate and Non-ionic Polyacrylamide	
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): NA	Specific Gravity (H <sub>2</sub> O=1): NA
Vapor Pressure (mm. Hg): NA	Melting Point: NA
Vapor Density (Air = 1): MA	Evaporation Rate: NA
Solubility in Water: Complete	pH: As is: pH @ 1.0#: 5.5 - 7.0
Density (at 20° C): ND	Odor: Odorless
Appearance: White powder	

### V. FIRE AND EXPLOSION DATA

Flash Point: Product will burn in contact with a flame, self-extinguishes when ignition source is removed.	Flammable Limits: LEL: NA UEL: NA
Special Fire Fighting Procedures: For fires involving this material, do not enter without proper protective equipment including self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards: This product should be treated as a combustible dust in the finely divided and suspended state.	
Extinguishing Media: Dry chemical, CO <sub>2</sub> , Water spray, foam, waterfog, sand/earth. Do not use high pressure water stream.	

Airborne dust creates an explosion hazard.

## VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: None

Hazardous Decomposition: None

## VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: May cause a slight irritation with exposure to skin.

Eyes: ND

Inhalation: ND

Ingestion: ND

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: Ordinary measures of personal hygiene should be adequate.

Eyes: Flush with plenty of water. If irritation develops, call a physician.

Ingestion: If swallowed follow symptomatic treatment.

Inhalation: If inhaled follow symptomatic treatment.

Additional Health Hazard Information::

## VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Sweep up spilled material and repackage. Hose spill area very thoroughly. The product is slippery when wet.

Waste Disposal Methods: Dispose of in a landfill or incinerate in accordance with Local, State and Federal regulations.

Handling and Storage Precautions: Product is slippery when wet. Wash thoroughly after handling. Keep container closed. Exercise caution in the storage and handling of all chemical substances. Use in ventilated area.

**IX. INDUSTRIAL HYGIENE CONTROL MEASURES**

Ventilation Requirements: Local exhaust.

Respirator: In heavy dust concentrations, a NIOSH approved mask is recommended.

Eye Protection: None required.

Gloves: None required.

Other Protective Clothing or Equipment: None required.

**X. SPECIAL PRECAUTIONS**

**XI. ENVIRONMENTAL/SAFETY REGULATION**

**DEPARTMENT OF TRANSPORTATION**

Shipping Name: Oil Well Treating Compound

Hazard Class: None

Hazardous Substance: None

Cautionary Labeling: None

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

Date Prepared: August 8, 1995

File Name: Benex

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.