



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): Cypan - Drilling Mud Conditioners

Generic Name(s):

Chemical Name(s): Acrylate 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.	%	
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 (H₂O=1): NA

Vapor Pressure (mm. Hg): NA

Melting Point: ND

Vapor Density (Air = 1): NA

Evaporation Rate: ND

Solubility in Water: Limited by viscosity

pH: 8-11 (1% aqueous solution)

Density (at 20° C): Bulk density (lbs./ft.) 29-37

Odor: No odor

Appearance: Off-white to cream-colored flakes

V. FIRE AND EXPLOSION DATA

Flash Point: NA

Flammable Limits: LEL: NA UEL: NA

Special Fire Fighting Procedures: Wear self-contained, positive pressure breathing apparatus and full firefighting protective clothing.

Unusual Fire and Explosion Hazards: Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

Extinguishing Media: Use water, carbon dioxide or dry chemical to extinguish fires.

VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: No polymerization.

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition: Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, ammonia and/or oxides of nitrogen.

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: None known.

Eyes: None known.

Inhalation: None known.

Ingestion: None known.

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: Wash with water and soap.

Eyes: Flush with water.

Ingestion: ND

Inhalation: Remove to fresh air.

Additional Health Hazard Information::

Acute oral (rat) and acute dermal (rabbit) LD50 values are >10,000 mg/kg. No skin irritation and no eye irritation were produced during primary studies with rabbits.

VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Spilled material becomes very slippery when wet. Sweep up spills and place in a waste disposal container. Flush the area thoroughly with water and scrub to remove residue. If slipperiness remains, apply more dry-sweeping compound. Do not flush large quantities of this material to sewer.

Waste Disposal Methods: Disposal must be made in accordance with applicable Local, State and Federal regulations.

Handling and Storage Precautions: Normal precautions common to good manufacturing practices should be followed in handling and storage. Maintain good housekeeping to control dust accumulations.

IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Adequate ventilation for comfort is recommended. Refer to the ACGIH document "Industrial Ventilation, A Manual of Recommended Practices", most recent edition for details.

Respirator: Respiratory protection is generally not required during normal operations, but may use a nuisance dust respirator approved by NIOSH when excessive concentrations of dust are in the air.

Eye Protection: Goggles recommended for prolonged exposure.

Gloves: Impervious gloves recommended for prolonged exposure.

Other Protective Clothing or Equipment: Personal hygiene should be strongly encouraged so that all clothing items which contact skin are changed daily. Wear the following as necessary to prevent skin contact: Work pants, long sleeve work shirt and impervious gloves. Engineering controls are not usually necessary if good hygiene practices are strictly followed.

X. SPECIAL PRECAUTIONS

Normal precautions common to good manufacturing practices should be followed in handling and storing. Maintain good housekeeping to control dust accumulations.

XI. ENVIRONMENTAL/SAFETY REGULATION

DEPARTMENT OF TRANSPORTATION

Shipping Name: Not restricted

Hazard Class: Nonhazardous

Hazardous Substance: NA

Cautionary Labeling: None required

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

Date Prepared: July 25, 1995

File Name: Cypan

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.