



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): VIS-PLUG

Generic Name(s): Proprietary

Chemical Name(s): Proprietary

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 known			

III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

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

Health: 1

Fire: 1

Reactivity: 0

IV. PHYSICAL DATA

Boiling Point (°F): NA	Specific Gravity (H ₂ O=1): 1.3
Vapor Pressure (mm. Hg): NA	Melting Point: ND
Vapor Density (Air = 1): NA	Evaporation Rate: ND
Solubility in Water: At 20° C: forms gel	pH: ND
Density (at 20° C): ND	Odor: Mild odor
Appearance: Off-white powder	% Volatiles by Weight 5.0 (Water)

V. FIRE AND EXPLOSION DATA

Flash Point: >200

Flammable Limits: LEL: ND UEL: ND

Special Fire Fighting Procedures: Use supplied breathing air and protective clothing.

Unusual Fire and Explosion Hazards: Flammable solids may provide conditions for a dust explosion.

Extinguishing Media: Use water spray, carbon dioxide, dry chemical, alcohol type, or universal type foams applied by manufacturer's recommended techniques.

VI. REACTIVITY

Stability: Stable Avoid fire and excessive heat.

Hazardous Polymerization: No polymerization.

Incompatibility: None

Hazardous Decomposition: Carbon dioxide and carbon monoxide.

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects: Contains materials that may be slightly toxic.

Skin: Materials are essentially non-irritating, but skin contact may cause slight transient irritation.

Eyes: None known.

Inhalation: Dust may produce a respiratory allergenic response in some individuals.

Ingestion: Ingestion of dry powder may result in the material swelling in the throat, possibly causing blockage of the throat and choking. Ingestion is not an expected route of entry.

Permissible Exposure Limits: (for air contaminants) ND

OSHA PEL (8hr. TWA): 10 mg/m³ for dust.

ACGIH TLV: 10 mg/m³ for dust.

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 clean water for 15 minutes.

Eyes: Irrigate with potable water for at least 15 minutes and seek medical attention if irritation persists.

Ingestion: If appreciable quantities are swallowed, seek medical attention. Fluids should be ingested to prevent esophageal obstruction.

Inhalation: Remove from dusty area. If breathing has stopped, administer artificial respiration and seek medical attention.

Additional Health Hazard Information::

WARNING: NUISANCE DUST

As with all dusts, avoid high concentrations. Minimize contact with eyes, skin and clothing.

VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Mechanically collect and remove spilled material. Area may be washed with water if desired.

Caution: Wet material is slippery.

Waste Disposal Methods: Incinerate, bury or flush to sewer 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.

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: If a powder, use of a NIOSH approved dust mask is recommended. A full respiratory protection program is recommended. Refer to NIOSH/OSHA "Occupational Health Guidelines for Chemical Hazards" for additional details.

Eye Protection: Goggles recommended for prolonged exposure.

Gloves: 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.

X. SPECIAL PRECAUTIONS

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 24, 1995

File Name: Vis-Plug

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.