



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): VIS TEK II

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 <sub>2</sub> O=1): 1.0
Vapor Pressure (mm. Hg): NA	Melting Point: ND
Vapor Density (Air = 1): NA	Evaporation Rate: ND
Solubility in Water: 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: NA Auto Ignition Temperature: >200°F 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

Hazardous Polymerization: No polymerization.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition: Carbon dioxide and carbon monoxide.

## 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): 10 mg/m<sup>3</sup> for dust.

ACGIH TLV: 10 mg/m<sup>3</sup> 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: Flush with clean water.

Eyes: Irrigate with potable water.

Ingestion: Give water to dilute and get medical attention. 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 in industrial uses.

Inhalation: Remove from dusty area.

Additional Health Hazard Information::

**WARNING: NUISANCE DUST**

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

Notes to physician:  
Very low toxicity. Direct treatment of over exposure at controlling symptoms and the clinical condition. LD-50>45000 MG/KG RAT.

### 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.

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

Above pH 10 this product may form gel with calcium and other polyvalent ions. Dry powders can build static electricity charges when conveyed or mixed. To prevent ignition, provide adequate precautions, such as electrical grounding, or inert atmosphere when material is used in the presence of flammable materials. Store in cool, dry place. Avoid breathing dust. Wash hands thoroughly after handling. Do not rub eyes with dirty hands. Do not eat, drink or smoke in the work area.

### XI. ENVIRONMENTAL/SAFETY REGULATION

It is not believed that this product constitutes a hazardous waste for Federal RCRA purposes, but you should conduct your own test prior to discarding. This product does not contain materials with reportable quantities for CERCLA information. This product is not subject to California 65 notification requirements. Supplier notification under SARA Title III is not required for this product. This product complies with all TSCA inventory requirements.

### 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: VistekII

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.