



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): White Starch

Generic Name(s):

Chemical Name(s): Pregelatinized Starch

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: 1

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: ND
Vapor Density (Air = 1): NA	Evaporation Rate: (Butyl Acetate = 1): NA
Solubility in Water: Appreciable	pH: (1%) ND
Density (at 20° C): Bulk 32 lb/ft <sup>3</sup>	Odor: Odorless
Appearance: White Powder	Volatiles: NA

### V. FIRE AND EXPLOSION DATA

Flash Point: NA	Flammable Limits: LEL: ND UEL: ND
Special Fire Fighting Procedures: None	
Unusual Fire and Explosion Hazards: Dust air may be explosive, avoid open lights and flames.	
Extinguishing Media: Water, CO <sub>2</sub> , foam, dry powder	

**WHITE STARCH**

## VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: Will Not Occur

Incompatibility: Strong oxidizing agents, damp and wetness causes spoilage

Hazardous Decomposition: Oxides of carbon

## VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: None known

Eyes: Irritant

Inhalation: Not edible

Ingestion: None reported.

Permissible Exposure Limits: (for air contaminants)

OSHA PEL (8hr. TWA): NA

ACGIH TLV: NA

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 water

Eyes: Flush with large amounts of water

Ingestion: If swallowed, drink plenty of water

Inhalation: None required.

Additional Health Hazard Information:

## VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Sweep up and flush area with water. Wet floors may be slippery with product on it. Avoid causing dust.

Waste Disposal Methods: Product should be disposed of in accordance with applicable local, state and federal regulations.

Handling and Storage Precautions: Avoid practices which produce dust. Store away from heat, flame and spark source.

## IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: None required.

Respirator: A NIOSH approved dust respirator

Eye Protection: Tight fitting goggles in dusty areas

Skin: Gloves are recommended	
Other Protective Clothing or Equipment:	
<b>X. SPECIAL PRECAUTIONS</b>	
<b>XI. ENVIRONMENTAL/SAFETY REGULATION</b>	
<b>DEPARTMENT OF TRANSPORTATION</b>	
Shipping Name: Non Hazardous	Hazard Class: None
Hazardous Substance: None	
Cautionary Labeling: None	
NA=Not Applicable; ND=Not Determined or No Data	Date Prepared: June 14, 1995

File Name: starch

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.