



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): Gypsum	
Generic Name(s): Sulfate mineral	
Chemical Name(s): Hydrated Calcium Sulfate	
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.	%	
Nuisance dust			TLV 10 mg/m3

III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

0=LEAST	1=SLIGHT	2=MODERATE	3=HIGH	4 =EXTREME
Health: 1				
Fire: 0				
Reactivity: 1				

IV. PHYSICAL DATA

Boiling Point (°F): NA	Specific Gravity (H ₂ O=1): 2.32gm/cm ³
Vapor Pressure (mm. Hg): NA	Melting Point: ND
Vapor Density (Air = 1): NA	Evaporation Rate: NA
Solubility in Water: 1.2 g/l at 20°	pH: ND
Density (at 20° C): Bulk density 920-1040 kg/m ³ (60-65 lb/ft ³)	Odor: Earthy odor
Appearance: Off white powder	

V. FIRE AND EXPLOSION DATA

Flash Point: NA

Flammable Limits: LEL: NA UEL: NA

Special Fire Fighting Procedures: None. This product will not support combustion.

Unusual Fire and Explosion Hazards: None

Extinguishing Media: Water, Carbon Dioxide, dry or chemical foam.

VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: No polymerization.

Incompatibility: None

Hazardous Decomposition: None

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: No effects anticipated.

Eyes: May cause irritation, redness and abrasion.

Inhalation: May cause respiratory irritation.

Ingestion: No effects anticipated.

Permissible Exposure Limits: (for air contaminants) ND

OSHA PEL (8hr. TWA): ND

ACGIH TLV: Nuisance dust - TLV 10 mg/m³

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 thoroughly with water.

Eyes: Flush immediately with large amounts of warm water. If irritation persists seek medical attention.

Ingestion: No first aid anticipated.

Inhalation: Remove to fresh air. If irritation persists see a physician.

Additional Health Hazard Information::

VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: May be swept and shoveled.

Waste Disposal Methods: Floor-dry may be flushed with water into sewer. Dispose of in authorized landfill according to Federal, State and Local regulations.

Handling and Storage Precautions: Store in a dry place. Product should not be handled in static environment.

IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: As needed to control concentrations of dust.

Respirator: Particle dust mask.

Eye Protection: Goggles for nuisance dust.

Gloves: Cotton gloves.

Other Protective Clothing or Equipment: Personal hygiene should be strongly encouraged so that all clothing items which contact skin are changed daily. Standard work clothes.

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 27, 1995

File Name: Gypsum

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.