



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): Milmica Fine

Generic Name(s):

Chemical Name(s): MICA

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
Mica contains Quartz 5% by weight	12001-25-2	100	TLLV - 20 mppcf

### III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

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

Health: 1

Fire: 0

Reactivity: 0

### IV. PHYSICAL DATA

Boiling Point (°F): NA	Specific Gravity (H <sub>2</sub> O=1): 2.6 - 2.9
Vapor Pressure (mm. Hg): ND	Melting Point: NA
Vapor Density (Air = 1): NA	Evaporation Rate: NA
Solubility in Water: Insoluble	pH: ND
Density (at 20° C): ND	Odor: Odorless
Appearance: Gray Flakes	

### V. FIRE AND EXPLOSION DATA

Flash Point: NA	Flammable Limits: LEL: NA UEL: NA
Special Fire Fighting Procedures: None required	
Unusual Fire and Explosion Hazards: None	
Extinguishing Media: Carbon dioxide, dry or chemical foam and water.	

## VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: No polymerization

Incompatibility: None

Hazardous Decomposition: Does not compose.

## VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: ND

Eyes: May cause irritation to the eyes.

Inhalation: May be irritating to the upper respiratory tract.

Ingestion: ND

Permissible Exposure Limits: (for air contaminants) ND

OSHA PEL (8hr. TWA): ND

ACGIH TLV: Total dust <3 mg/m<sup>3</sup>

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 affected area with water.

Eyes: Flush with clean running water to remove dust particulates and contact a physician if irritation develops/persists.

Ingestion: Consult a physician.

Inhalation: Remove from exposure to fresh air.

Additional Health Hazard Information::

Prolonged inhalation of dust containing free crystalline silica may result in silicosis or other respiratory disease. Skin and eye contact may cause irritation.

## VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Normal clean-up procedures for dry products- sweep, vacuum, etc. Return to container.

Waste Disposal Methods: Disposal should be in accordance with Federal, State and Local regulations. This material is not listed as a hazardous substance, as defined in Section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980.

Handling and Storage Precautions: Minimize dust generation and exposure.

**IX. INDUSTRIAL HYGIENE CONTROL MEASURES**

Ventilation Requirements: Supply local ventilation.

Respirator: Wear NIOSH/MSHA approved particulate respirator if TLV may be exceeded.

Eye Protection: Safety glasses with sideshields.

Gloves: Cotton gloves for comfort.

Other Protective Clothing or Equipment:

**X. SPECIAL PRECAUTIONS**

**XI. ENVIRONMENTAL/SAFETY REGULATION**

**DEPARTMENT OF TRANSPORTATION**

Shipping Name: Not restricted

Hazard Class: Nonhazardous

Hazardous Substance: None

Cautionary Labeling: None

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

Date Prepared: July 28, 1995

File Name: Mica

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.