



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): ORGANO-C

Generic Name(s) : Organophilic Clays

Chemical Name(s):Dimethyldihydrogenated tallow ammonium bentonite CAS# 68953-58-2

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
May contain Silica, Quartz (respirable)	14808-60-7	2.3	

III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

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

Health: 0

Fire: 0

Reactivity: 0

IV. PHYSICAL DATA

Boiling Point (°F): ND	Specific Gravity (H ₂ O=1): 40 lb/ft ³
Vapor Pressure (mm. Hg): NA	Melting Point: NA
Vapor Density (Air = 1): NA	Evaporation Rate: NA
Solubility in Water: Insoluble	pH: NA
Density (at 20° C): NA	Odor: Slight amine odor
Appearance: Off-White to Buff to Tan	

V. FIRE AND EXPLOSION DATA

Flash Point: Non-flammable	Flammable Limits: LEL: NA UEL: NA
Special Fire Fighting Procedures: Normal precautions for mineral dusts should be provided.	
Unusual Fire and Explosion Hazards: None	
Extinguishing Media: Water (fog), foam, dry chemical, or carbon dioxide.	

VI. REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur.
Incompatibility: None
Hazardous Decomposition: Carbon oxides and nitrogen oxides may form on combustion.

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:		
Skin: None		
Eyes: None		
Inhalation: Excessive inhalation may cause coughing and shortness of breath. May be harmful if inhaled in sufficient quantities. Prolonged exposure may cause a relatively benign lung disease, though there is a risk of the development of massive fibrosis. Repeated and prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis). Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death.		
Ingestion: None		
Permissible Exposure Limits: (for air contaminants) NA		
OSHA PEL (8hr. TWA): 5 mg/m ³ total dust and 2 mg/m ³ respirable dust.		
ACGIH TLV: 5 mg/m ³ total dust and 2 mg/m ³ respirable dust.		
Carcinogenicity:		
Listed By NTP: No	Listed By IARC: No	Listed By OSHA: No
Acute Oral LD50:	Acute Dermal LD50:	Aquatic Toxicology LC50:
Emergency and First Aid Procedures:		
Skin: Wash with large amounts of water. If irritation persists, seek medical attention.		
Eyes: Flush eyes with large amounts of water. If irritation persists, seek medical attention.		
Ingestion: Give two glasses of water and induce vomiting. Seek medical attention.		
Inhalation: Remove to fresh air. For gross inhalation, remove person immediately to fresh air, give artificial respiration as needed, seek medical attention as needed.		

Additional Health Hazard Information::

Signs and symptoms of exposure: Undue breathlessness, wheezing, cough and sputum production. Pulmonary function may be reduced by inhalation of respirable crystalline silica. Lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure.

VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: For powdered materials. Use dustless methods (vacuum) and place into closed container for disposal, or flush with water. Do not dry sweep..

Waste Disposal Methods: Material, as shipped, may be disposed of in a sanitary landfill. Spent material should be handled in accordance with local, state and federal regulations.

Handling and Storage Precautions: Avoid unnecessary product agitation to keep dust level as much below TLV as possible.

IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Local exhaust

Respirator: NIOSH/MSHA approved particulate respirator.

Eye Protection: Wear protective shield (safety glasses) when exposed to dust particles.

Gloves: Optional

Other Protective Clothing or Equipment: None

X. SPECIAL PRECAUTIONS

Avoid creating and breathing dust.

XI. ENVIRONMENTAL/SAFETY REGULATION

Covered under CERCLA or SUPERFUND Legislation: No

Environmental Toxicity Data: No

In TSCA Inventory: Yes

DEPARTMENT OF TRANSPORTATION

Shipping Name: Not regulated

Hazard Class: None

Hazardous Substance: NA

Cautionary Labeling: NA

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

Date Prepared: July 28, 1995

File Name: Organ-C

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.