



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): Potassium Chloride

Generic Name(s):

Chemical Name(s): Potassium Chloride, muriate of potash

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
No hazardous ingredients			

### 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): 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: NA
Solubility in Water: At 20° C: 25.8% by wt.	pH: 9.2
Density (at 20° C): Bulk density 75 lb. cu. ft.	Odor: Odorless
Appearance: White to grey to pink	

### V. FIRE AND EXPLOSION DATA

Flash Point: NA	Flammable Limits: LEL: ND UEL: ND
Special Fire Fighting Procedures: Not flammable. Does not support combustion.	
Unusual Fire and Explosion Hazards: None reported.	
Extinguishing Media: NA	

**POTASSIUM CHLORIDE**

## VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: No polymerization.

Incompatibility: NA

Hazardous Decomposition: Does not decompose.

## VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: Minor local irritation.

Eyes: Minor local irritation

Inhalation: Minor local irritation

Ingestion: Gastrointestinal irritation.

Permissible Exposure Limits: (for air contaminants) ND

OSHA PEL (8hr. TWA): ND

ACGIH TLV: ND

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: Minor local irritation. Wash thoroughly with water. Obtain medical attention.

Eyes: Minor local irritation. Wash thoroughly with running water for 15 minutes. Obtain medical attention.

Ingestion: Gastrointestinal irritation. No special procedures required.

Inhalation: Minor local irritation. Obtain medical attention in severe cases.

Additional Health Hazard Information::

## VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: If dry spill sweep up. If solution spill wash into a drain or an industrial sewer, using a large amount of water.

Waste Disposal Methods: Solid material bury in an appropriate chemical dump. Solutions dilute with large amounts of water. Containers no special procedure.

Handling and Storage Precautions: Moist material is mildly corrosive to carbon steel. Aluminum and carbon steel are not suitable materials at low liquid concentrations and ambient temperatures. Rubber-lined carbon steel or FRP construction is suitable for service temperatures below 160° F.

**POTASSIUM CHLORIDE**

**IX. INDUSTRIAL HYGIENE CONTROL MEASURES**

Ventilation Requirements: Supply adequate ventilation.

Respirator: Use approved particle dust mask.

Eye Protection: Wear protective goggles or glasses.

Gloves: Wear protective gloves.

Other Protective Clothing or Equipment: None required.

**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 21, 1995

File Name: kcl

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.