



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): Rid Rust	
Generic Name(s):	
Chemical Name(s): Inorganic Mineral Acid	
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
Phosphoric Acid	7664-38-2	Conf.	ACGIH TLV 1 mg/m <sup>3</sup> OSHA PEL 3 mg/m <sup>3</sup>
Ethylene Glycol Monobutyl Ether	111-76-2	Conf.	ACGIH TLV 50 ppm OSHA PEL 25 ppm

### 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): 230°F	Specific Gravity (H <sub>2</sub> O=1): 1.091
Vapor Pressure (mm. Hg): 50-60 mm Hg @ 20°C	Melting Point: NA
Vapor Density (Air = 1): NA	Evaporation Rate: NA
Solubility in Water: Soluble	pH: < 3
Density (at 20° C): ND	Odor: Pungent odor
Appearance: Water clear liquid	

## V. FIRE AND EXPLOSION DATA

Flash Point: NA	Flammable Limits: LEL: ND UEL: ND
Special Fire Fighting Procedures: None	
Unusual Fire and Explosion Hazards: None	
Extinguishing Media: Water fog or spray, dry powder, foam or CO2.	

## VI. REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur.
Incompatibility: Oxidizers or oxidizing material.
Hazardous Decomposition: CO2 and\ or carbon monoxide.

## VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects: Vapors are irritating.		
Skin: Irritant. Overexposure can cause immediate irritation and burning sensation followed by destruction of skin tissue.		
Eyes: Irritant. Overexposure can cause immediate irritation and burning sensation followed by destruction of eye tissue.		
Inhalation: Irritant. Acute inhalation of vapors may be narcotic and can be fatal.		
Ingestion: Irritant. Ingestion of liquid will cause gastrointestinal distress, irritation, possibly nausea and can be fatal.		
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: Flush with plenty of fresh water. Seek medical attention if the burn sensation persists and/or if a rash develops. Wash contaminated clothing before reuse.		
Eyes: Immediately flush with large quantities of water for at least 15 minutes. Seek medical attention immediately.		
Ingestion: Do not induce vomiting. Seek medical attention immediately.		
Inhalation: Remove to fresh air. Give oxygen if necessary. Seek medical attention immediately.		
Additional Health Hazard Information: Vapors are irritating. Irritation may occur upon skin contact.		

Effects of Overexposure: Immediate irritation and burning sensation followed by destruction of skin or eye tissue. Acute inhalation of vapors may be narcotic and can be fatal. Ingestion of liquid will cause gastrointestinal distress, irritation, possibly nausea and can be fatal.

### VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Never use pressure to empty. Drum is not a pressure vessel. Drum must not be washed out or used for other purposes.

Waste Disposal Methods: Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State and Local regulations. All non-usable product should be disposed of in accordance with regulations in an approved incinerator. Do not flush to surface water or sewers.

Handling and Storage Precautions: Do not breathe vapors when spraying, follow spray equipment manufacturer's recommendations carefully. Avoid contact with skin, eyes and clothing. Wash hands after handling product. Keep away from children.

### IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Local exhaust needed if ventilation is inadequate. Mechanical (general): If >30 circulations of air per minute is not available, then mechanical means to achieve that is required.

Respirator: Approved NIOSH respirator needed when ventilation is not adequate.

Eye Protection: Safety goggles or faceshield when splash may occur.

Gloves: Impervious gloves.

Other Protective Clothing or Equipment: Apron

### X. SPECIAL PRECAUTIONS

Keep away from children.

### XI. ENVIRONMENTAL/SAFETY REGULATION

Clean Water Act Requirements: Data not yet established.

Resource Conservation and Recovery Act (RCRA) Requirements: Data not yet established.

TSCA: Components listed and reported with the provisions outlined in Toxic Substances Control Act, 15 U.S.C.

SARA Title III Section 313, Supplier Notification: Not listed on 40 CFR 372.45 Supplier Notification Requirement Listing (7-1-89) Edition.

### DEPARTMENT OF TRANSPORTATION

Shipping Name: Corrosive Liquid, N.O.S.(Phosphoric Acid), 8, UN1760

Hazard Class: 8

Hazardous Substance: RQ 100

Cautionary Labeling: Corrosive

Placard: UN1760

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

Date Prepared: August 1, 1995

File Name: Rid Rust

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.

**RID RUST**