



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): Supertron S 62-C

Generic Name(s):

Chemical Name(s): Chemical Family: Surfactants/Corrosion Inhibitor Chemical Formula: Proprietary

Francis Drilling Fluids, LTD.  
P.O. Box 1694  
Crowley, LA 70527-1694

Emergency/Telephone No.: 800-960-6610  
318-783-8685  
Hazardous Materials No.: 800-255-3924  
Poison Control Center No.: 800-256-9822

### II. HAZARDOUS INGREDIENTS

Ingredient	CAS No.	%	Hazard
Ethanol, 2,2'-OXYBIS-, reaction products with ammonia, morpholine derivatives residues.	68909-77-3	Conf.	
Methyl Alcohol	67-56-1	5.0	OSHA TWA PEL 200ppm ACGIH TWA 200ppm ACGIH STEL 250ppm
Isopropyl Alcohol	67-63-0	Conf.	OSHA TWA 400ppm ACGIH TWA 400ppm
Amine Sulfite	102424-23-7	Conf.	
Hydrogen Chloride	7647-01-0	3.83	OSHA TWA C 5ppm ACGIH TWA C 5ppm

### III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

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

#### IV. PHYSICAL DATA

Boiling Point (°F): 212°F	Specific Gravity (H <sub>2</sub> O=1): 1.07 - 1.08
Vapor Pressure (mm. Hg): NA	Melting Point: NA
Vapor Density (Air = 1): ND	Evaporation Rate: NA
Solubility in Water: Infinite	pH: 8.0 - 9.0
Density (at 20° C): ND	Odor: ammonia odor
Appearance: Dark brown liquid	Freezing Point < 20° F

#### V. FIRE AND EXPLOSION DATA

Flash Point: 145°F	Flammable Limits: LEL: ND UEL: ND
Special Fire Fighting Procedures: ND	
Unusual Fire and Explosion Hazards: Containers may explode from internal pressure if confined to fire. Cool with water. Keep unnecessary people away.	
Extinguishing Media: Water fog or spray, foam, dry powder, carbon dioxide (CO <sub>2</sub> )	

#### VI. REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Oxidizers or oxidizing materials.
Hazardous Decomposition: From fire: Smoke, Carbon Dioxide, Carbon Monoxide, Oxides of Sulfur, and Oxides of Nitrogen.

#### VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:		
Skin: Acute, Vapors or liquid may be irritating to skin. Overexposure effects: Skin irritation develops slowly after contact.		
Eyes: Acute, Vapors or liquid may be irritating to eyes. Eye irritation develops immediately upon contact.		
Inhalation: Acute, inhalation of vapors may be narcotic and can be fatal.		
Ingestion: 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): Methyl Alcohol - 200ppm Hydrogen Chloride - C 5ppm Isopropyl Alcohol 400ppm		
ACGIH TLV: Methyl Alcohol - TWA 200ppm STEL 250ppm Hydrogen Chloride - TWA C 5ppm Isopropyl Alcohol - TWA 400ppm STEL 500ppm		
Carcinogenicity:		
Listed By NTP: Not listed	Listed By: IARC: Possible - Human Evidence Inadequate	Listed By OSHA: Not listed
Acute Oral LD50:	Acute Dermal LD50:	Aquatic Toxicology LC50:

Emergency and First Aid Procedures:

Skin: Wash off thoroughly with soap and water.

Eyes: Flush with large amounts of water for 15 minutes and get medical attention.

Ingestion: Do not induce vomiting. Contact physician.

Inhalation: Remove to fresh air if affected by inhalation of vapor or spray mist.

Additional Health Hazard Information::

### 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 in accordance with applicable regulations. Keep container closed when not in use.

Waste Disposal Methods: Hazardous waste, follow all applicable Federal, State and Local regulations.

Handling and Storage Precautions: Store in a cool place away from ignition sources. Store away from caustic or alkaline materials. Store away from oxidizers or materials bearing a yellow "DOT" label. Wash hands thoroughly after using and before smoking or eating. Keep away from heat and flame. Use with adequate ventilation. Do not breathe vapors avoid prolonged or repeated contact with skin.

### IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Local exhaust recommended. Mechanical (general) desired in closed spaces.

Respirator: Approved NIOSH organic vapor mask suitable for organic vapors and sulfur dioxide.

Eye Protection: Chemical goggles or full face shield recommended.

Gloves: Impervious gloves.

Other Protective Clothing or Equipment: Vapor respirator, safety glasses, gloves

### X. SPECIAL PRECAUTIONS

Keep away from heat, sparks and flame. Provide fresh air ventilation during and after application. Close container after each use. Do not get in eyes, on skin, or on clothing. Use chemical safety goggles, impervious gloves and protective clothing.

### XI. ENVIRONMENTAL/SAFETY REGULATION

TSCA: All ingredients in this product are on the Toxic Substance Control Act (TSCA) Inventory List, 15 U.S.C.

### DEPARTMENT OF TRANSPORTATION

Shipping Name: Bulk - Combustible Liquid, N.O.S.  
(Contains Methanol and Amines), NA1993, PGIII ER#27  
Drum - D.O.T. Non regulated Supertron S 62-C

Hazard Class: Combustible Liquid

Hazardous Substance: RQ 5000 - Methanol

Cautionary Labeling: Combustible

Placard: NA1993

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

Date Prepared: August 2, 1995

File Name: Supertron S 62-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.