



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): Super Sweep SS-298

Generic Name(s):

Chemical Name(s): Chemical Family: Surfactants Chemical Formula: Proprietary

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
Diethanolamine	111-42-2	13.5	OSHA/ACGIH 3ppm
Triethanolamine	102-71-6	Conf	No Data

III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

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

Health: 1

Fire: 1

Reactivity: 0

IV. PHYSICAL DATA

Boiling Point (°F): ND	Specific Gravity (H ₂ O=1): .93
Vapor Pressure (mm. Hg): NA	Melting Point: NA
Vapor Density (Air = 1): ND	Evaporation Rate: NA
Solubility in Water: Dispersible @ 25°C	pH: 9.5 - 10.5
Density (at 20° C): ND	Odor: Bland odor
Appearance: Amber liquid	Freezing Point < -10° F

V. FIRE AND EXPLOSION DATA

Flash Point: >200°F	Flammable Limits: LEL: ND UEL: ND
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Special Fire Fighting Procedures: None

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 (CO2)

VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Oxidizers or oxidizing materials.

Hazardous Decomposition: From fire: Smoke, Carbon Dioxide, Carbon Monoxide.

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: Skin irritation develops slowly after contact.

Eyes: Irritation to eyes develops immediately upon contact..

Inhalation: Irritation to respiratory tract.

Ingestion: Irritant

Permissible Exposure Limits: (for air contaminants) ND

OSHA PEL (8hr. TWA): Diethanolamine 3ppm

ACGIH TLV: Diethanolamine 3ppm

Carcinogenicity:

Listed By NTP: 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 off thoroughly with soap and water. Seek medical attention.

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. Give oxygen if necessary. Contact a physician.

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. In case of spillage, wet down with water and remove immediately.

Waste Disposal Methods: Industrial 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. Do not use on toys, furniture or surfaces of other articles which might be chewed by children. Wash hands thoroughly after using and before smoking or eating. Keep away from heat and flame.

IX. INDUSTRIAL HYGIENE CONTROL MEASURES

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

Respirator: Approved NIOSH organic vapor mask.

Eye Protection: Safety goggles and face shield when splash may occur.

Gloves: Impervious gloves.

Other Protective Clothing or Equipment: Apron, 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: Environmentally Hazardous Substance,
Liquid, N.O.S.(Contains Diethanolamine), 9, UN3082
PGIII- Guide #31

Hazard Class: 9

Hazardous Substance: RQ 7.41 lbs based on Diethanolamine content in blend

Cautionary Labeling: Class 9

Placard: UN3082

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

Date Prepared: August 2, 1995

File Name: SS-298

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.