



FRANCIS DRILLING FLUIDS, LTD.

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): DMWA III

Generic Name(s):

Chemical Name(s): Imidazoline

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: 1

Fire: 1

Reactivity: 0

IV. PHYSICAL DATA

Boiling Point (°F): NA	Specific Gravity (H ₂ O=1): 0.92
Vapor Pressure (mm. Hg): <1.0	Melting Point: ND
Vapor Density (Air = 1): 1.0	Evaporation Rate: NA
Solubility in Water: Insoluble	pH: 11
Density (at 20° C): ND	Odor: Solvent
Appearance: Dark Brown Liquid	

V. FIRE AND EXPLOSION DATA

Flash Point: >200 PMCC

Flammable Limits: LEL: ND UEL: ND

Special Fire Fighting Procedures: Treat as petroleum distillate. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of containers.

Unusual Fire and Explosion Hazards: This material may burn, but it does not readily ignite.

Extinguishing Media: Dry chemical, CO₂, water spray or regular foam.

VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: No polymerization.

Incompatibility: Strong oxidizers.

Hazardous Decomposition: Oxides of carbon and nitrogen.

VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:

Skin: Skin irritant.

Eyes: May be eye irritant.

Inhalation: May be irritating to mucous membranes.

Ingestion: May cause nausea

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: Wash with soap and water.

Eyes: Immediately flush with running water for at least 15 minutes. If irritation persists seek medical assistance.

Ingestion: Harmful or fatal if swallowed. Do not induce vomiting. Seek medical assistance immediately.

Inhalation: Move to well ventilated area; if breathing difficulties persist after 15 minutes seek medical assistance.

Additional Health Hazard Information:.

VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Stop leak if you can do it without risk. Take up with sand or other noncombustible absorbent material and place in containers for later disposal.

Waste Disposal Methods: Contact an EPA or State Approved Disposal Facility.

Handling and Storage Precautions: Keep containers tightly closed, store in a cool, dry place.

IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Local or general exhaust recommended

Respirator: None required under normal conditions. Use respirator in confined areas.

Eye Protection: Wear chemical safety goggles\ safety glasses.

Gloves: Chemically resistant/non-slip

Other Protective Clothing or Equipment: Coveralls, splash aprons, eye wash, and safety shower.

X. SPECIAL PRECAUTIONS

Clean up spills promptly, wash contaminated clothing before reuse.

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 28, 1995

File Name: DMWAIII

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.