



MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME: MTL Drilling Detergent

PRODUCT USE: Oil Well Fluid Additive **CAS NO.** Proprietary

CHEMICAL FAMILY: Blend

WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: D2A; D2B

WORK PLACE HAZARD: Toxic effects; skin and eye irritant; Flammable

TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: Flammable Liquid, Toxic, N.O.S (Methanol)

TDG CLASSIFICATION: 3, 6.1

UN NUMBER (PIN): 1992

PACKING GROUP: II

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD₍₅₀₎ RAT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Methanol	<20%	67-56-1	N/A	200ppm	

SECTION III: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN EYE CONTACT INHALATION INGESTION

EMERGENCY OVERVIEW:

- May cause irritation or drying of the skin
- Inhalation of any chemical may be harmful
- Vapour or spray mist harmful
- Ingestion may cause blindness.

EYE CONTACT: Liquid or mist causes irritation.

SKIN CONTACT: May cause irritation or drying of the skin.

INGESTION: Harmful if swallowed. May cause nausea, vomiting, dizziness, drowsiness, blurred vision, and nervous system effects. May cause burns to mucous membranes. Ingestion of methanol may cause blindness.

INHALATION: May cause irritation of the nose and throat with headache. Breathing high concentrations



MATERIAL SAFETY DATA SHEET

may cause nausea, vomiting, headache, dizziness, and irregular eye movements.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT:	Immediately wash skin with soap and plenty of water for at least 15 minutes and get medical attention if symptoms persist.
EYE CONTACT:	Flush immediately with plenty of water for at least 15 minutes and get medical attention if symptoms persist.
INGESTION:	If swallowed, give two glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.
INHALATION:	Remove to fresh air.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Amber liquid, mild odour
SPECIFIC GRAVITY(@ 20°C):	.958
BOILING POINT (°C):	N/D
FREEZING POINT (°C):	-25°C
SOLUBILITY IN WATER:	Soluble
PERCENT VOLATILE BY VOLUME:	N/D
EVAPORATION RATE:	N/A

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Above 62°C (145°F)
FLAMMABLE LIMITS:	N/D
EXTINGUISHING MEDIA:	Carbon Dioxide, or Alcohol foam, Dry Powder
SPECIAL FIRE FIGHTING PROCEDURES:	N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Splattering of material.

SECTION VII: REACTIVITY DATA

STABILITY:	Stable [XX]	Unstable []
INCOMPATIBILITY (CONDITIONS TO AVOID):	None Known	
CONDITIONS OF REACTIVITY:	None Known	



MATERIAL SAFETY DATA SHEET

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will Not Occur [XX] May Occur []

SECTION VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not normally required.

VENTILATION: Local exhaust

PROTECTIVE GLOVES: Wear impervious gloves.

EYE PROTECTION: Use goggles or face shield if splashing is likely.

OTHER PROTECTIVE EQUIPMENT: Not normally required.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Wear impervious gloves. Use goggles or face shield if splashing is likely. Chemical type apron recommended. Keep away from heat and flame. Use with adequate ventilation. Avoid prolonged or repeated contact with skin. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Launder contaminated clothing before reuse.

STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED

In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.

WASTE DISPOSAL METHOD

Follow Federal and State regulations.

SECTION IX: PREPARATION

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

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