



MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME: T-2001
PRODUCT USE: Drilling Fluid Additive **CAS NO.** N/A
CHEMICAL FAMILY: Mixture of aromatic, aliphatic hydrocarbons, amine compounds and Organic Acid.

WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: B2, D1B, D2B
WORK PLACE HAZARD: Flammable, Oral, Skin and Eye Irritant.

TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: T- 2001 Flammable Liquid NOS (Methanol)
TDG CLASSIFICATION: Class 3
UN NUMBER (PIN): 1993
PACKING GROUP: II

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>PERCENTAGE BY WEIGHT</u>	<u>CAS NO.</u>
Xylene	40-70	1330-20-7
Petroleum Distillate	7	
Methanol	10-30	67-56-1
Petroleum Naphtha	1-5	64742-94-5
Isopropanol	1-5	67-63-0
Monoethanolamine	5-10	141-43-5
Sulphonic Acid	1-5	27276-87-0

SECTION III: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN EYE CONTACT INHALATION INGESTION

EYE CONTACT: Vapours from this product are irritating to the eye. Splashes to the eye may cause severe irritation, redness and pain. Burns (chemical) can occur if not promptly removed.

SKIN CONTACT: Brief contact causes irritation (itching, local redness or possible swelling). Burns (chemical) can occur if not promptly removed.



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- INGESTION:** This product causes severe burning and pain in the mouth, throat and abdomen. Vomiting, diarrhoea and perforation of the oesophagus and stomach lining may occur.
- INHALATION:** Product may cause severe irritation of the nose, throat and respiratory tract.

SECTION IV: FIRST AID MEASURES

- SKIN CONTACT:** Wash affected area with soap and water for at least 15 minutes. Remove and clean contaminated clothing. Seek medical attention if irritation develops or persists.
- EYE CONTACT:** If splashed into the eyes, flush with clear water for 15 minutes by holding eye open while flushing. Seek immediate medical attention.
- INGESTION:** Drink plenty of water; do not induce vomiting. Seek immediate medical aid. Never give anything by mouth to an unconscious person.
- INHALATION:** Remove patient to fresh air. Apply artificial respiration if breathing has stopped. If difficulty breathing, administer oxygen. Seek immediate medical attention.
- PRODUCT CONTAINS METHANOL. ADMINISTER ACTIVATED CARBON IF INDICATED.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Amber liquid, aromatic odour
SPECIFIC GRAVITY:	.9160
BOILING POINT (°C):	83°C
MELTING POINT (°C):	N/A
pH:	8.78
PERCENT VOLATILE BY VOLUME:	70-80
EVAPORATION RATE:	(Butyl Acetate=1.0) N/A
BULK DENSITY (kg/m³):	919kg/m ³

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

- FLASH POINT:** 11°C
- FLAMMABLE LIMITS:** Upper 36% Lower 1.0%
- EXTINGUISHING MEDIA:** Use CO₂ or dry chemical media for small fires. If only water is available, use it in the form of a fog. This material may produce a floating fire hazard in extreme fire conditions.
- SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool fire-exposed containers or structures. Use



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water spray to disperse vapours; re-ignition is possible. Isolate materials that are not involved in the fire and protect personnel. Cool containers with flooding quantities of water until well after the fire is out. Spilled material may cause floors and contact surfaces to become slippery.

UNUSUAL FIRE/EXPLOSION HAZARDS: None Known

SECTION VII: REACTIVITY DATA

STABILITY:	Stable [XX]	Unstable []
INCOMPATIBILITY (CONDITIONS TO AVOID):	Oxidizers, nitric acid, sulphuric acid, halogen, molten sulphur acids.	
CONDITIONS OF REACTIVITY:	Contact with acids leads to sulphur dioxide fumes	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of sulphur/nitrogen	
HAZARDOUS POLYMERIZATION:	Will Not Occur [XX]	May Occur []

VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	A NIOSH/MSHA approved air-purifying respirator equipped with organic cartridges for concentrations up to 30ppm Monoethanolamine or 50ppm or 200ppm Methanol or 1000ppm organic vapours.
VENTILATION:	Suggested local mechanical exhaust. Ventilation should be corrosion and explosion proof.
PROTECTIVE GLOVES:	Suggest plastic or rubber
EYE PROTECTION:	Safety glasses with side shields are recommended to prevent eye contact. Contact lenses should not be worn when working with this material.
OTHER PROTECTIVE EQUIPMENT:	Wear an impermeable apron and boots. Locate safety shower and eyewash station close to chemical handling area. Take all precautions to avoid personal contact.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Avoid practices that produce dust. Store away from heat, flame and spark source. Store in a cool, dry area; moisture will spoil product.

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

Remove all sources of ignition. Contain spill. Absorb material on appropriate non-flammable absorbent and shovel into compatible containers. Avoid all bodily contact. Appropriate breathing apparatus must be worn if ventilation is inadequate. Do not allow product to enter sewers or storm water inlets.

WASTE DISPOSAL METHOD



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Dispose of in accordance with federal, provincial and local regulations. It is the responsibility of the user to determine if contaminated material meets hazardous waste requirements.

SECTION IX: PREPARATION

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

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