

# MATERIAL SAFETY DATA SHEET

## SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **November 15, 2010**  
**8750 – 53<sup>rd</sup> Ave.** PHONE: 780-468-4064  
**Edmonton, AB T6E 5G2** FAX: 780-469-1899

PRODUCT NAME: **Uni-Drill**

PRODUCT USE: Fluid loss control agent  
CHEMICAL FAMILY: Mixture CAS #: **Mixture**

## WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: **B3**  
WORKPLACE HAZARD: **Combustible liquid**

## TRANSPORTATION OF DANGEROUS GOODS (TDG)

PROPER SHIPPING NAME: Not regulated under TDG.  
TDG CLASSIFICATION: Not applicable.  
UN NUMBER (PIN): Not applicable.  
PACKING GROUP: Not applicable.

## SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>% (w/w)</u>	<u>CAS NUMBER</u>	<u>LD<sub>50</sub>Oral-Rat</u>	<u>LC<sub>50</sub>Inhal-Rat</u>	<u>ACGIH-TLV</u>
Petroleum distillates, hydrotreated light	58	64742-47-8	Not available	Not available	200 mg/m <sup>3</sup>

## SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY:  EYE CONTACT  SKIN  INHALATION  INGESTION  
EYE CONTACT: **Mild eye irritant which could cause prolonged (days) impairment of vision depending on length and degree of exposure.**  
SKIN CONTACT: Prolonged or repeated contact may remove skin oils possibly leading to irritation and dermatitis.  
INGESTION: **Low toxicity. May be irritating to the mouth, throat or stomach and cause nausea, vomiting and diarrhea.**  
INHALATION: Vapours unlikely except at high temperatures. High vapour concentrations may cause mild mucous membrane irritation, headache, dizziness, nausea or unconsciousness in extreme cases.

CARCINOGENICITY: Not listed by NTP, IARC or OSHA.  
TERATOGENICITY: No information available.  
REPRODUCTIVE TOXICITY: No information available.  
MUTAGENICITY: No information available.  
SYNERGISTIC PRODUCTS: No information available.

#### SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Wash with soap and water. Seek medical attention if irritation persists.  
EYE CONTACT: Flush eyes with gently flowing warm water for 15 minutes or until irritation ceases. Obtain medical attention if irritation persists.  
INGESTION: **Do not induce vomiting.** Give two glasses of water and induce vomiting if victim is conscious. Seek immediate medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.  
INHALATION: Move to fresh air. Apply oxygen or artificial respiration as required. Obtain medical attention if breathing difficulties continue.

#### SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: Off -white viscous liquid; mild petroleum odour.  
SPECIFIC GRAVITY: 0.97  
BOILING POINT (°C): 218 - 238  
MELTING POINT (°C): Not determined  
SOLUBILITY IN WATER: Not determined pH: 6.9  
PERCENT VOLATILE BY VOLUME: Not available  
EVAPORATION RATE: **<1 (butyl acetate = 1)**  
VAPOUR PRESSURE (mmHg): Not determined  
VAPOUR DENSITY (air = 1): **>3**  
BULK DENSITY: Not available

#### SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: **85°C (Tag CC)**  
FLAMMABLE LIMITS: Not determined  
EXTINGUISHING MEDIA: Water spray on containers. Use CO<sub>2</sub>, dry chemical or foam on product itself. **Caution, product becomes very slippery when wet.**  
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus required for fire fighting personnel. Move containers from fire area, or cool with water spray if possible.

UNUSUAL FIRE AND  
EXPLOSION HAZARDS:

Liquid evaporates and forms vapors that can easily spread and catch fire from ignition sources and burn with explosive force. Fire hazard is greater as liquid temperature rises above 85°F.

**SECTION VII: REACTIVITY DATA**

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid contact with strong oxidizing agents.	
CONDITIONS OF REACTIVITY:	None known.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may produce oxides of carbon.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

**SECTION VIII: PREVENTATIVE MEASURES****SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION:	Normally not required at ambient work temperatures. Where necessary, use approved respirator for use with organic vapours.
VENTILATION:	Local exhaust recommended if product is used in enclosed spaces, at high temperatures, or if mists are created. Ensure equipment is explosion proof.
PROTECTIVE GLOVES:	Use chemical resistant gloves when required to prevent contact.
EYE PROTECTION:	Safety glasses with side shields or goggles must be worn when handling.
OTHER PROTECTIVE EQUIPMENT (Specify):	As appropriate to prevent contact with body. Ensure eye wash station and emergency shower are available.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Wear appropriate personal protective equipment to prevent contact. Launder contaminated clothing before reuse. Use only in well ventilated areas. Ground and bond before transferring. Store in cool dry area away from incompatibles. Keep container tightly closed when not in use. Store unused material in original container. Empty containers contain residual hazardous material, and must be handled and stored as if full.

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

Use suitable protective equipment. Stop leak if possible to do so without risk. Small spills: Soak up with absorbent material; collect contaminated absorbent in approved containers for disposal; flush spill area thoroughly with water. Large spills: Dike to prevent spread; collect uncontaminated material for repackaging; collect contaminated material in approved containers for disposal; treat remaining spill as small spill. Do not allow product or its solutions to enter waterways.

**WASTE DISPOSAL METHOD**

Dispose of in accordance with federal, provincial and local regulations. It is the responsibility of the end user to determine if material meets the requirements of hazardous waste at the time of disposal. Dispose of empty containers in accordance with local regulations.

**SECTION IX: PREPARATION**

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

DATE ISSUED:           November 15, 2010           BY:           Product safety committee  
SUPERSEDES:           May 29, 2009               PHONE:       780-440-4923

**Diversity Technologies Corp. is the parent company of  
Canamara-United Supply, Hollimex Products, The Drilling Depot and  
Westcoast Drilling Supplies.**