MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY:	**Diversity Technologies Corp.**	DATE:	October 1, 2009
	8750 – 53rd Ave.	PHONE:	780-468-4064
	Edmonton, AB T6E 5G2	FAX:	780-469-1899

PRODUCT NAME: **HT-40N BASE OIL**

PRODUCT USE:	Drilling fluid		
CHEMICAL FAMILY:	Organic hydrocarbon	CAS #:	64742-46-7

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not WHMIS controlled
WORKPLACE HAZARD: None known.

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

INGREDIENT	% (w/w)	CAS NUMBER	LD_{50} Oral-Rat	LC_{50} Inhal-Rat	ACGIH-TLV
Severely hydrotreated and hydrocracked base oil	Not available	64742-46-7	>5000 mg/kg	>2500 mg/m^3/4hr	5 mg/m^3 (oil mist)

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [XX] EYE CONTACT [XX] SKIN [XX] INHALATION [XX] INGESTION
EYE CONTACT: May cause slight irritation.
SKIN CONTACT: May cause slight irritation. Prolonged or repeated exposure may cause dermatitis.
INGESTION: No known effects.

INHALATION:	Vapours or mists may cause respiratory tract irritation. Prolonged exposure to high vapour concentration can cause headache, dizziness, nausea, blurred vision and central nervous system depression. Aspiration of product during swallowing or vomiting may cause chemical pneumonitis and/or pulmonary edema.
CARCINOGENICITY:	Not known to contain any chemicals at reportable quantities which are listed: As Group A1 or A2 carcinogens by ACGIH; Group 1, 2A or 2B carcinogens by IARC; by NTP; by IRIS; or, by OSHA.
TERATOGENICITY:	Not expected to be teratogenic based on available information.
REPRODUCTIVE TOXICITY:	Not expected to be a reproductive toxin based on available information.
MUTAGENICITY:	Not expected to be mutagenic based on available information.
SYNERGISTIC PRODUCTS:	No information available.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT:	Immediately wash thoroughly with water while removing contaminated clothing. If irritation develops, obtain medical attention.
EYE CONTACT:	Immediately flush with gently flowing warm water for 15 minutes or until irritation ceases. When flushing is complete, obtain medical attention.
INGESTION:	Do not induce vomiting or give liquids. Obtain immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration of vomitus.
INHALATION:	Move victim to fresh air. Apply oxygen or artificial respiration if required. Obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Clear liquid; slight petroleum odour	
SPECIFIC GRAVITY:	0.835 kg/L @ 15°C = Relative Density	
BOILING POINT (°C):	Not available	
MELTING POINT (°C):	-33 (Pour Point)	
SOLUBILITY IN WATER:	Insoluble	pH: Not applicable
PERCENT VOLATILE BY VOLUME:	Not available	
EVAPORATION RATE:	Not available	
VAPOUR PRESSURE (mmHg):	Not available	
VAPOUR DENSITY (air = 1):	Not available	
BULK DENSITY:	Not applicable	

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	105°C (PMCC)
FLAMMABLE LIMITS:	Not available
EXTINGUISHING MEDIA:	Dry chemical, water fog, CO_2 or foam.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire fighting personnel. Remove containers from fire area, or cool with water spray, if possible.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	This product is combustible.

SECTION VII: REACTIVITY DATA

STABILITY:	STABLE [XX] UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid contact with strong oxidizers.
CONDITIONS OF REACTIVITY:	Not available.
HAZARDOUS DECOMPOSITION PRODUCTS:	May release oxides of carbon, methylacrylate monomers, smoke and irritating vapours when heated to decomposition.
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX] MAY OCCUR [ ]

SECTION VIII: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Under normal conditions respiratory protection is not required. In poorly ventilated areas or enclosed spaces use an approved respirator with organic vapour cartridges or SCBA as required to prevent exposure.
VENTILATION:	Use local exhaust ventilation, process enclosure or other engineering controls to maintain concentration of mists and vapours below TLV. Ensure all equipment used is explosion proof.
PROTECTIVE GLOVES:	Chemical resistant gloves recommended.
EYE PROTECTION:	Wear non-vented chemical goggles during use.
OTHER PROTECTIVE EQUIPMENT (Specify):	Full body covering clothing recommended. Ensure eye wash station and emergency shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Practice reasonable caution and personal cleanliness. Avoid skin and eye contact, ingestion and inhalation. Launder contaminated clothing before reuse. Keep away from oxidizers and ignition sources. Maintain temperature below flash point. Ground and bond containers before transferring.

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

Use appropriate safety equipment and personnel protective equipment. Evacuate nonessential personnel. Eliminate ignition sources. Stop leak if possible to do so without risk. For large spills, dike to prevent spread. Collect spilled material by vacuum if possible. Soak up remainder and small spills with absorbent material. Collect contaminated material and absorbents in approved containers for disposal. Large pools may be covered with foam to prevent vapour evolution. Comply with federal, provincial and local requirements for spill notification.

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 criteria of hazardous waste at the time of disposal.

SECTION IX: PREPARATION

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

DATE ISSUED:	October 1, 2009	BY:	Product safety committee
SUPERSEDES:	January 9, 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.