

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **September 28, 2009**
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PRODUCT NAME: **Distillate 822 Base Oil**

PRODUCT USE: Drilling fluid
CHEMICAL FAMILY: Organic hydrocarbon CAS #: Mixture

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: B3, D2B
WORKPLACE HAZARD: Combustible liquid; skin and eye irritant

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>LD₅₀ Oral-Rat</u>	<u>LC₅₀ Inhal-Rat</u>	<u>ACGIH-TLV</u>
Gas oils, petroleum, straight-run	30-60	64741-43-1	Not available	Not available	Not established
Petroleum distillate	30-60	64741-44-2	Not available	Not available	Not established

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [XX] EYE CONTACT [XX] SKIN [XX] INHALATION [XX] INGESTION
EYE CONTACT: May cause irritation.
SKIN CONTACT: May cause irritation. Prolonged or repeated exposure may cause dermatitis.
INGESTION: May cause gastro-intestinal irritation, vomiting, and diarrhea. LD₅₀ > 5000 mg/kg (rat).

INHALATION:	Vapours or mists may cause respiratory tract irritation. May cause headache, dizziness, loss of appetite and loss of consciousness. Aspiration of product during swallowing or vomiting may cause chemical pneumonitis including coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.
CARCINOGENICITY:	No information available.
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:	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. If irritation persists, 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; mild hydrocarbon odour
SPECIFIC GRAVITY:	0.90 @ 20°C
BOILING POINT (°C):	204-371
MELTING POINT (°C):	Not determined
SOLUBILITY IN WATER:	Insoluble pH: Not applicable
PERCENT VOLATILE BY VOLUME:	25
EVAPORATION RATE:	Not available
VAPOUR PRESSURE (mmHg):	7.3 @ 20°C
VAPOUR DENSITY (air = 1):	4.5
BULK DENSITY:	Not applicable

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	77°C (TCC)
FLAMMABLE LIMITS:	Lower = 0.7% Upper = 6%
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. Auto-ignition temperature > 225°C. This material is sensitive to static discharge. All storage containers and pumping equipment must be grounded.

SECTION VII: REACTIVITY DATA**STABILITY:**

STABLE [XX]

UNSTABLE []

INCOMPATIBILITY

Avoid contact with strong oxidizers.

(CONDITIONS TO AVOID):**CONDITIONS OF REACTIVITY:**

Not available.

HAZARDOUS DECOMPOSITION

Oxides of carbon, oxides of sulfur.

PRODUCTS:**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

Full body covering clothing recommended. Ensure eye wash station and emergency shower are available.

(Specify):**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: September 28, 2009 BY: Product safety committee
SUPERSEDES: September 28, 2006 PHONE: 780-440-4923

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