

# MATERIAL SAFETY DATA SHEET

## SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **July 17, 2010**  
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PRODUCT NAME: **KL 135 (Ketjenlube 135)**

PRODUCT USE: Oil well drilling fluid lubricant.  
CHEMICAL FAMILY: Polymer CAS#: 128218-63-3

## WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not WHMIS controlled.  
WORKPLACE HAZARD: No known workplace hazards.

## 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>
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Contains no WHMIS controlled ingredients.

## SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY:  EYE CONTACT  SKIN  INHALATION  INGESTION  
EYE CONTACT: Not expected to cause irritation.  
SKIN CONTACT: Not expected to cause irritation.  
INGESTION: No toxic effects expected. LD<sub>50</sub> (Oral, rat) >13800 mg/kg.  
INHALATION: Not a likely source of exposure under normal conditions of use.  
CARCINOGENICITY: Not listed as a carcinogen.  
TERATOGENICITY: No information available.  
REPRODUCTIVE TOXICITY: No information available.  
MUTAGENICITY: Not mutagenic by Ames' test.

SYNERGISTIC PRODUCTS: No information available.

#### SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Wash contacted area thoroughly with soap and water. If irritation develops, obtain medical attention. Remove and launder contaminated clothing before reuse.

EYE CONTACT: Flush with gently flowing warm water for minimum 15 minutes holding eyelids open. If irritation persists, obtain medical attention.

INGESTION: Do not induce vomiting. Rinse mouth and give 2 – 4 glasses of water. If vomiting occurs, keep head below hips to prevent aspiration, and re-administer water. If large quantity has been swallowed, obtain medical attention. Never give anything by mouth unless victim is fully conscious.

INHALATION: Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties, or distress, continue obtain medical attention.

#### SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Yellowish liquid; faint odour
SPECIFIC GRAVITY:	0.953 @ 20°C
BOILING POINT (°C):	>250
MELTING POINT (°C):	20
SOLUBILITY IN WATER:	Insoluble                      pH: Not available
PERCENT VOLATILE BY VOLUME:	Not available
EVAPORATION RATE:	Not available
VAPOUR PRESSURE (mmHg):	Not available
VAPOUR DENSITY (air = 1):	Not determined
BULK DENSITY:	Not applicable

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

FLASH POINT:	>240°C (COC)
FLAMMABLE LIMITS:	Not determined
EXTINGUISHING MEDIA:	Carbon dioxide, dry chemical or foam.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire fighting personnel. Remove from fire area, or cool with water spray, if possible.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	This product may support combustion under fire conditions.

**SECTION VII: REACTIVITY DATA**

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Incompatible with strong acids. Avoid prolonged storage at elevated temperatures.	
CONDITIONS OF REACTIVITY:	Contact with incompatibles.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon under combustion.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

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

RESPIRATORY PROTECTION:	If product is sprayed, use approved respirator with combination dust/mist/organic vapour cartridges.
VENTILATION:	No special precautions for normal conditions of use.
PROTECTIVE GLOVES:	Rubber or plastic recommended.
EYE PROTECTION:	Recommend chemical splash goggles.
OTHER PROTECTIVE EQUIPMENT (Specify):	Wear clothing adequate to protect against exposure. Ensure eyewash station and emergency shower are available.

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

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep containers tightly closed when not in use. Store in a dry area away from incompatibles and ignition sources.

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

Use appropriate safety equipment. Eliminate ignition sources. Stop leak if possible to do so without risk. Dike to prevent spread of material. Collect large spills by vacuum truck for disposal. Soak up residual and small spills with absorbent material. Collect contaminated product and absorbent in approved containers for disposal.

**WASTE DISPOSAL METHOD**

Dispose/incinerate 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. 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.

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BY: Product safety committee

SUPERSEDES: July 17, 2007

PHONE: 780-440-4923

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