

# MATERIAL SAFETY DATA SHEET

## SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **February 15, 2007**  
**8750 – 53<sup>rd</sup> Ave.** PHONE: 780-468-4064  
**Edmonton, AB T6E 5G2** FAX: 780-469-1899

PRODUCT NAME: **XL - Defoamer**

PRODUCT USE: Oil well drilling fluid additive  
CHEMICAL FAMILY: Alkanol and surfactant blend in petroleum distillate. 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>LD<sub>50</sub>Oral-Rat</u>	<u>LC<sub>50</sub>Inhal-Rat</u>	<u>ACGIH-TLV</u>
2-Ethyl hexanol	15-40	104-76-7	2049 mg/kg	Not available	Not established

## SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY:  EYE CONTACT  SKIN  INHALATION  INGESTION  
EYE CONTACT: **Severe irritant: May cause redness, inflammation and watering upon contact. High vapour concentrations may cause irritation.**  
SKIN CONTACT: May cause mild to moderate skin irritation including redness and swelling. Repeated or prolonged contact may cause dermatitis.  
INGESTION: May cause gastrointestinal irritation.  
INHALATION: May cause irritation of the respiratory tract.  
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: Remove contaminated clothing and footwear. Thoroughly wash affected area with soap and water. If irritation persists, or develops, obtain medical attention.

EYE CONTACT: Immediately flush with gently flowing warm water for 15 minutes, or until irritation ceases. When flushing time is completed obtain medical attention.

INGESTION: Do not induce vomiting. If vomiting occurs, keep head below hips to reduce risk of aspiration of vomitus into lungs. Get immediate medical attention.

INHALATION: Move patient to fresh air. Apply oxygen or artificial respiration as required. If breathing difficulties or distress continues obtain medical attention.

#### SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: Clear water white liquid; sweet odour  
SPECIFIC GRAVITY: 0.89  
BOILING POINT (°C): Not determined  
MELTING POINT (°C): <-25  
SOLUBILITY IN WATER: Dispersible pH: 7 - 8  
PERCENT VOLATILE BY VOLUME: Not determined  
EVAPORATION RATE: Not determined  
VAPOUR PRESSURE (mmHg): Not determined  
VAPOUR DENSITY (air = 1): Not applicable  
BULK DENSITY:

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

FLASH POINT: 73.3°C (TCC)  
FLAMMABLE LIMITS: Not determined  
EXTINGUISHING MEDIA: CO<sub>2</sub>; foam; dry chemical; water fog  
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:**

Explosive vapour/air mixtures may form at flash point. Vapours may travel to source of ignition and flash back.

**SECTION VII: REACTIVITY DATA**

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing agents. Avoid sources of ignition.	
CONDITIONS OF REACTIVITY:	Not available.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

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

RESPIRATORY PROTECTION:	In absence of proper ventilation, recommend approved respirator with organic vapour/mist cartridges.
VENTILATION:	Use in well ventilated area. Use local exhaust ventilation, process enclosure or other engineering controls to maintain airborne levels below TLV.
PROTECTIVE GLOVES:	Viton or rubber recommended.
EYE PROTECTION:	Suggest chemical goggles or face-shield be worn when handling.
OTHER PROTECTIVE EQUIPMENT (Specify):	Suggest rubber apron. Ensure eye wash station and safety shower are available.

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

Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Wash thoroughly after handling. Clean contaminated clothing and footwear before reuse. Avoid breathing mists and vapours. Store in a cool area separate from incompatible materials. Store unused material in original container. Keep container tightly closed when not in use. Handle only in area free of ignition sources. Ground containers when transferring material. Empty containers, which have not been cleaned and purged, contain residual hazardous material and should be handled and stored as if full.

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

Use appropriate protective equipment. Dike to contain spill and to prevent water pollution. Recover diked material by vacuum. Soak up small spills with absorbent material. Collect contaminated material and absorbents in approved containers for disposal. Flush area with water.

### **WASTE DISPOSAL METHOD**

Dispose in accordance with all 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. Empty containers must be disposed or, or recycled, 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: February 15, 2007 BY: Product safety committee  
SUPERSEDES: March 25, 2004 PHONE: 780-440-4923

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