

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **January 12, 2009**
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PRODUCT NAME: **Chemul I**

PRODUCT USE: Oil well drilling fluid additive
CHEMICAL FAMILY: Fatty acid mixture in hydrocarbon solvent CAS#: Mixture

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: **D1B; D2B**
WORKPLACE HAZARD: Toxic material; 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>LD₅₀Oral-Rat</u>	<u>LC₅₀Inhal-Rat</u>	<u>ACGIH-TLV</u>
Petroleum hydrocarbons	30-60	64741-44-2	>5 mg/kg	1.72 mg/L/4 hr	5 mg/m ³ /hr (mfg suggests)

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: EYE CONTACT SKIN INHALATION INGESTION
EYE CONTACT: Exposure to vapours, fumes or mists may cause irritation
SKIN CONTACT: May cause moderate irritation. Prolonged or repeated contact may cause dermatitis.
INGESTION: May cause gastrointestinal disturbances. Symptoms may include irritation, diarrhea and vomiting.

INHALATION:	Toxic. May cause respiratory tract irritation. May cause harmful CNS effects including excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of conscious, coma, respiratory arrest and death. Aspiration of oil mists may cause chemical pneumonitis.
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

EYE CONTACT:	Flush with gently flowing, warm water for minimum 15 minutes, or until irritation ceases. Obtain medical attention when flushing period is completed.
SKIN CONTACT:	Wash affected area with copious quantity of water for minimum 5 minutes while removing contaminated clothing. If irritation or inflammation persists obtain medical attention.
INGESTION:	Do not induce vomiting. Rinse mouth with water and give 250 mL water or milk. If vomiting occurs, keep head below hips to ensure vomitus is not aspirated. Obtain immediate medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.
INHALATION:	Move to area free from contaminant. Apply oxygen or artificial respiration if required. Obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Dark amber liquid; hydrocarbon odour
SPECIFIC GRAVITY:	0.908
BOILING POINT (°C):	Not determined
MELTING POINT (°C):	-26°C (pour point)
SOLUBILITY IN WATER:	Insoluble pH : Not applicable
PERCENT VOLATILE BY VOLUME:	Not determined
EVAPORATION RATE:	Not determined
VAPOUR PRESSURE (mmHg):	Not determined
VAPOUR DENSITY (air = 1):	Not determined
BULK DENSITY:	Not applicable

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	100°C minimum (TCC)
FLAMMABLE LIMITS:	Not determined
EXTINGUISHING MEDIA:	Dry chemical, foam, CO ₂ , or water spray.
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:	Product will burn under fire conditions.

SECTION VII: REACTIVITY DATA

STABILITY:	STABLE [XX]	UNSTABLE []
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizers.	
CONDITIONS OF REACTIVITY:	Not determined.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon, oxides of sulfur, smoke on combustion.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR []

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

RESPIRATORY PROTECTION:	Use approved respirators with organic vapour cartridges if airborne concentration of mist or vapour exceeds TLV.
VENTILATION:	Use local exhaust ventilation, process enclosure or other engineering controls to maintain concentration below TLV. Ensure equipment used is explosion proof.
PROTECTIVE GLOVES:	Rubber or vinyl recommended.
EYE PROTECTION:	Suggest chemical goggles be worn.
OTHER PROTECTIVE EQUIPMENT (Specify):	Ensure eyewash station and emergency shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid ingestion. Avoid skin and eye contact. Do not inhale vapours, mists or fumes. Practice reasonable caution and personal cleanliness. Launder contaminated clothing before reuse. Thoroughly clean, or discard, contaminated leather articles. Store in a cool, dry, well-ventilated area away from incompatibles and ignition sources. Keep container tightly closed when not in use. Empty packages contain residual hazardous material; obey all labeled warnings.

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

Use appropriate safety equipment. Soak up small spills with absorbent material. For large spills; stop leak if possible to do so without risk and dike to prevent spread. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Wash spill area thoroughly with soap and water. Collect washings in approved containers for disposal.

WASTE DISPOSAL METHOD

Dispose 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 packaging 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:	January 12, 2009	BY:	Product safety committee
SUPERSEDES:	December 5, 2008	PHONE:	780-440-4923

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