

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **March 3, 2010**
8750 – 53rd Ave. PHONE: 780-468-4064
Edmonton, AB T6E 5G2 FAX: 780-469-1899

PRODUCT NAME: **Alkapam C-1803 / Synerfloc C-1803**

PRODUCT USE: Oil well drilling fluid additive
CHEMICAL FAMILY: Cationic polyacrylamide CAS# 69418-26-4

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not a controlled product under WHMIS.
WORKPLACE HAZARD: Treat as a nuisance dust.

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>
Contains no WHMIS controlled ingredients					

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: EYE CONTACT SKIN INHALATION INGESTION
EYE CONTACT: Slightly irritating. May cause redness and/or irritation.
SKIN CONTACT: May cause slight irritation in some individuals. Prolonged or repeated contact may cause redness and/or irritation.
INGESTION: No adverse effect expected.
INHALATION: May cause sneezing, slight irritation of nose and throat.
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: Wash exposed area with soap and water. If irritation persists or develops, contact a physician. Launder contaminated clothing before reuse.

EYE CONTACT: Immediately flush eyes with gently flowing warm water for 15 minutes, or until particle(s) are removed. If irritation persists, contact a physician.

INGESTION: Do not induce vomiting. Give one to two glasses of water to dilute material. Obtain immediate medical attention. Never give anything by mouth to an unconscious or convulsing person.

INHALATION: Move to fresh air. Give oxygen or apply artificial respiration if required. If symptoms persist, obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	White granular solid; odourless
SPECIFIC GRAVITY:	Not determined
BOILING POINT (°C):	Not determined
MELTING POINT (°C):	Not applicable
SOLUBILITY IN WATER:	Forms gel pH: 3 – 5 (5g/L)
PERCENT VOLATILE BY VOLUME:	Not determined
EVAPORATION RATE:	Not determined
VAPOUR PRESSURE (mmHg):	Not determined
VAPOUR DENSITY (air = 1):	Not determined
BULK DENSITY:	Not determined

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Not applicable
FLAMMABLE LIMITS:	Not applicable
EXTINGUISHING MEDIA:	Dry chemical, CO ₂ , foam, water spray.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire fighting personnel. Water may cause excessive slipperiness.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Product will burn under fire conditions.

SECTION VII: REACTIVITY DATA

STABILITY:	STABLE [XX]	UNSTABLE []
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing and reducing agents. Avoid heat and ignition sources including static charge buildup.	
CONDITIONS OF REACTIVITY:		
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and oxides of nitrogen on combustion.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR []

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

RESPIRATORY PROTECTION:	Suggest NIOSH/MESA approved dust mask.
VENTILATION:	General mechanical sufficient for normal use. Use local exhaust, ventilation, process enclosure or other engineering controls to maintain levels of airborne dust below TLV.
PROTECTIVE GLOVES:	Suggest plastic or rubber.
EYE PROTECTION:	Safety glasses or goggles are recommended.
OTHER PROTECTIVE EQUIPMENT (Specify):	Clothing as required to prevent contact. Ensure eye wash station and emergency shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid prolonged or frequent contact when handling material. Wear suitable protective equipment to prevent skin and eye contact. Avoid inhalation and ingestion. Wash thoroughly after handling. Keep container closed when not in use. Store in cool and dry location away from ignition sources and incompatibles. Use non-sparking tools and ground/bonded equipment and containers when transferring. Avoid creating dusts, as this product is pyrophoric in powder form.

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

Use appropriate safety equipment. Ventilate area. Eliminate ignition sources. Sweep up and collect material using nonsparking equipment. Avoid creating dust. Sweep up and scoop, or vacuum to collect. Collect uncontaminated material for repackaging. Collect contaminated material for disposal. Wash spill site after material pick-up. Water solutions are very slippery. Do not allow material to enter public waterways.

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.

SECTION IX: PREPARATION

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

DATE ISSUED: **March 3, 2010**

BY: Product safety committee

SUPERSEDES: **March 7, 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.**