

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **June 28, 2010**
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PRODUCT NAME: **Alkapam N1003-D (Synerfloc N1003-D)**

PRODUCT USE: Oil well drilling fluid additive
CHEMICAL FAMILY: Polyacrylamide CAS#: 9003-05-8

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: Dust may cause mechanical irritation.
SKIN CONTACT: No effects expected due to acute exposure. Prolonged contact may cause irritation or dermatitis in some individuals.
INGESTION: Low acute oral toxicity; may cause nausea and vomiting
INHALATION: Dusts may cause upper respiratory tract irritation.
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 contacted area with soap and water. If irritation persists contact a physician.

EYE CONTACT: Flush eyes with gently flowing warm water until irritation ceases. If irritations persist, obtain medical attention.

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

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:	White granular solid; odourless
SPECIFIC GRAVITY:	0.8@ 25°C
BOILING POINT (°C):	Not available
MELTING POINT (°C):	Not available
SOLUBILITY IN WATER:	Forms a gel pH: 4 – 6 (5 g/L)
PERCENT VOLATILE BY VOLUME:	Not applicable
EVAPORATION RATE:	Not applicable
VAPOUR PRESSURE (mmHg):	Not applicable
VAPOUR DENSITY (air = 1):	Not applicable
BULK DENSITY:	Not available

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not applicable

FLAMMABLE LIMITS: Not determined

EXTINGUISHING MEDIA: Dry chemical, foam, carbon dioxide or water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus required for fire fighting personnel. Move product from fire area, or cool with water spray, if possible.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Will burn under fire conditions. Like all organic powders, this product when mixed with air in critical proportions and in the presence of an ignition source may present an explosion hazard.

SECTION VII: REACTIVITY DATA

STABILITY:	STABLE [XX]	UNSTABLE []
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid strong oxidizing and reducing agents, dusting cognitions, heat, open flame, spark, and static electricity.	
CONDITIONS OF REACTIVITY:		
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of nitrogen and carbon.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR []

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

RESPIRATORY PROTECTION:	Suggest NIOSH/MESA approved dust mask.
VENTILATION:	Use local exhaust ventilation, process enclosure or other engineering controls to maintain dust level below TLV.
PROTECTIVE GLOVES:	Suggest plastic or rubber.
EYE PROTECTION:	Suggest goggles.
OTHER PROTECTIVE EQUIPMENT (Specify):	Suggest rubber apron. Ensure eye-wash station and emergency shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid breathing dusts. Avoid direct or prolonged contact with skin and eyes. Launder contaminated clothing before reuse. Use nonsparking tools and ground/bonded equipment and containers when transferring. Avoid creating dusts, as this product is pyrophoric in powder form. Any containers or equipment used should be decontaminated immediately after use. Wash thoroughly after use. Store in a cool, dry area away from incompatibles and ignition sources.

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

Use appropriate safety equipment. Sweep up and scoop, or vacuum to collect spills. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Wash spill area with water. Collect washing for disposal. Do not allow spilled material to enter storm sewers, drains or 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: June 28, 2010

BY: Product safety committee

SUPERSEDES: June 28, 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.**