



SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **May 4, 2016**
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PRODUCT NAME: **Alkapam A-1103D**

PRODUCT USE: Oilwell drilling fluid additive
 CHEMICAL FAMILY: Anionic polyacrylamide CAS #: 25085-02-3

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

INGREDIENT	% (w/w)	CAS NUMBER	LD ₅₀ Oral-Rat	LC ₅₀ Inhal-Rat	ACGIH-TLV
Contains no WHMIS controlled ingredients					

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: EYE CONTACT SKIN CONTACT INHALATION INGESTION
 EYE CONTACT: May cause mechanical irritation.
 SKIN CONTACT: Prolonged contact may cause slight irritation or dermatitis in some individuals.
 INGESTION: No adverse effect expected. Product may swell in throat causing choking.
 INHALATION: Dust 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.

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SECTION IV: FIRST AID MEASURES

SKIN CONTACT:	Immediately wash with plenty of water and soap. If irritation persists or develops, contact a physician. Remove contaminated clothing and footwear and clean before reuse.
EYE CONTACT:	Immediately flush eyes with gently flowing warm water 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 if patient is unconscious, rapidly losing consciousness or convulsing.
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 a gel pH: 4 – 9 (5 g/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. If dusted this product may be an explosion hazard.
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon and oxides of nitrogen on combustion.

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SECTION VII: REACTIVITY DATA

STABILITY:	<input checked="" type="checkbox"/> STABLE	<input type="checkbox"/> UNSTABLE
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid contact with strong oxidizing agents. Avoid dusting conditions in presence of ignition sources.	
CONDITIONS OF REACTIVITY:	Not available.	
HAZARDOUS DECOMPOSITION PRODUCTS:	No information available.	
HAZARDOUS POLYMERIZATION:	<input checked="" type="checkbox"/> WILL NOT OCCUR	<input type="checkbox"/> MAY OCCUR

SECTION VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Suggest NIOSH/MESA approved dust mask. Use approved respirator with dust cartridge if TLV is exceeded.
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.

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SECTION IX: PREPARATION

The information contains herein is given in good faith, but no warranty, expressed or implied, is made.

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BY: Regulatory Affairs
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