



Prairie Mud Service Ltd.

"Serving Western Canada with 24 Hour Drilling Mud Service"

MSDS (Material Safety Data Sheet)

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Prairie Mud Service** DATE: June 28, 2010
738 6th Street PHONE: 306-634-3411
Estevan, SK S4A 1A4 FAX: 306-634-7310

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>LD₅₀ Oral-Rat</u>	<u>LC₅₀ Inhal-Rat</u>	<u>ACGIH-TLV</u>
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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.



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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.



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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

Avoid strong oxidizing and reducing agents, dusting cognitions, heat, open flame, spark, and static electricity.

(CONDITIONS TO AVOID):

CONDITIONS OF REACTIVITY:

HAZARDOUS DECOMPOSITION

Oxides of nitrogen and carbon.

PRODUCTS:

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

Suggest rubber apron. Ensure eye-wash station and emergency shower are available.

(Specify):

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.



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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