



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: October 15, 2009
738 6th Street PHONE: 306-634-3411
Estevan, SK S4A 1A4 FAX: 306-634-7310

PRODUCT NAME: **Aluminum Stearate**

PRODUCT USE: Oil well drilling fluid additive
CHEMICAL FAMILY: Metal fatty acid salt CAS#: 72986-43-7

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>
			Contains no WHMIS controlled ingredients		

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [] EYE CONTACT [] SKIN [] INHALATION [] INGESTION
EYE CONTACT: May cause mechanical irritation.
SKIN CONTACT: Not expected to be a skin irritant.
INGESTION: Possible gastric upset.
INHALATION: Possible respiratory difficulty in very dusty operations. Prolonged aspiration of large amounts could cause pulmonary damage.
CARCINOGENICITY: No information available.
TERATOGENICITY: No information available.
REPRODUCTIVE TOXICITY: No information available.



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MUTAGENICITY: No information available.
SYNERGISTIC PRODUCTS: No information available.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Wash thoroughly with soap and water. If irritation persists or develops, obtain medical attention.
EYE CONTACT: Flush with gently flowing warm water for 5 minutes, or until irritation subsides. If irritation persists, obtain medical attention.
INGESTION: Rinse mouth with water. Drink plenty of water. If a significant amount is swallowed, or symptoms develop, obtain medical attention.
INHALATION: Move patient to a fresh air, away from dusty environment. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: White powder; slight odour
SPECIFIC GRAVITY: 1.01
BOILING POINT (°C): Decomposes
MELTING POINT (°C): 110 – 112
SOLUBILITY IN WATER: Negligible pH: 3 – 4 (5% Dispersion in water)
PERCENT VOLATILE BY VOLUME: 1% by weight (moisture)
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 applicable
EXTINGUISHING MEDIA: CO₂ foam, dry chemical, water (for or mist).
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: Possibility of explosion exists under dusty conditions. This material can burn under fire conditions.



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SECTION VII: REACTIVITY DATA

STABILITY:	STABLE [XX]	UNSTABLE []
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid contact with strong acids and oxidizers. Keep away from heat, flames, sparks, etc., under dusty conditions	
CONDITIONS OF REACTIVITY:	Contact with incompatible materials.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon by combustion.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR []

SECTION VIII: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Suggest NIOSH approved dust mask for general handling. Use approved respirator with dust cartridges if TLV is exceeded. ACGIH TWA-TLV = 10 mg/m ³ .
VENTILATION:	Use in well ventilated area. Use local exhaust ventilation, process enclosure or other engineering controls as necessary to maintain airborne dust below TLV.
PROTECTIVE GLOVES:	Impermeable gloves are recommended if there is an existing skin disorder.
EYE PROTECTION:	Use safety glasses or chemical goggles
OTHER PROTECTIVE EQUIPMENT (Specify):	As required to minimize contact with skin. Ensure eyewash station and emergency shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact with skin and eyes. Avoid inhalation and ingestion. Wash thoroughly after handling. Launder contaminated clothing before reuse. Possibility of explosion exists under dusty conditions. Keep away from heat and open flame. Store in cool, dry area away from incompatible materials. Keep container tightly closed when not in use.

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

Always wear suggested or required protective equipment. Sweep up and scoop to collect. Avoid creating dust clouds. Collect uncontaminated material for repackaging. Collect contaminated material in appropriate containers for disposal. Keep out of sewers, storm drains, surface waters, and soil.



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WASTE DISPOSAL METHOD

Dispose of material in accordance with federal, provincial and local regulations. Landfill is suggested; check with local operator. 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: October 15, 2009 BY: Product safety committee