



Prairie Mud Service Ltd.

"Serving Western Canada with 24 Hour Drilling Mud Service"

MSDS (Material Safety Data Sheet)

SECTION I: IDENTIFICATION OF PRODUCT

Product Identifier	ALKAFLOC EA-173
Supplier	Prairie Mud Service 738 6 th Street Estevan, SK S4A 1A4 Phone: 306-634-3411 / Fax: 306-634-7310
Chemical Family / Formula	Anionic water-soluble polymer
Product Use	Drilling fluid additive

SECTION II: HAZARDOUS AND/OR INGREDIENT DISCLOSURE COMPONENTS

Name	Percent (wt%)	CAS#	LD ₅₀ (oral rat)	LD ₅₀ (dermal rabbit)	LC ₅₀ (inhalation rat)
Alkyl Phenol Ethoxylate	1 - 5	9016-45-9	2590 mg/kg	2830 mg/kg	Not determined

SECTION III: HEALTH HAZARDS

Routes of Entry	<input checked="" type="checkbox"/> SKIN <input checked="" type="checkbox"/> EYE CONTACT <input type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION
Threshold Limit Value	Not determined
Skin Contact	May cause skin irritation and redness.
Eye Contact	May cause eye irritation and redness.
Ingestion	May cause vomiting, diarrhea, and abdominal cramps.
Inhalation	Not expected to be an inhalation hazard.
Carcinogenicity	Not determined
Reproductive Toxicity	Not determined
Teratogenicity	Not determined
Mutagenicity	Not determined
Developmental Toxicity	Not determined

SECTION IV: FIRST AID MEASURES

Skin Contact	Wash exposed area with soap and water. If irritation or abnormalities persist, call a physician.
Eye Contact	Immediately flush eyes with water for 15 minutes and call a physician.
Ingestion	Do not induce vomiting. If conscious, dilute by giving two glasses of water. Call a physician.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

SECTION V: PHYSICAL DATA

Appearance	Milky viscous liquid
Odour	Aliphatic
Specific Gravity	1.05
Boiling Point (°C)	Not determined
Melting Point (°C)	Not determined
Solubility in Water	Forms gel
Percent Volatile by Volume	Not determined
Evaporation Rate	Not determined
Vapour Pressure (mm Hg)	0.002 @ 20°C
Vapour Density (Air = 1)	Not determined
pH	6 - 8 (5g/l)



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Protective Equipment	Transportation of Dangerous Goods	WHMIS
Safety Glasses and chemically resistant gloves recommended	Shipping Name: Not Regulated Class: N/A UN Number: N/A Packing Group: N/A	D2B Skin and Eye Irritant

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

Flash Point	>93°C (TCC)
Flammable Limits	Not determined
Extinguishing Media	Water Spray, foam, dry chemical, and carbon dioxide.
Special Fire Fighting Procedures	Self-contained respirators required for fire-fighting personnel.
Unusual Fire and Explosion Hazards	Water will cause extreme slipperiness

SECTION VII: REACTIVITY DATA

Stability	<input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE
Incompatibility (Conditions to Avoid)	Oxidizing agents
Conditions of Reactivity	Not known
Hazardous Decomposition Products	NO _x , CO _x
Hazardous Polymerization	<input checked="" type="checkbox"/> WILL NOT OCCUR <input type="checkbox"/> MAY OCCUR

SECTION VIII: PREVENTIVE MEASURES

Special Protection Information	
Respiratory Protection	Use NIOSH approved organic vapour cartridge respirator when ventilation is inadequate.
Ventilation	General mechanical
Protective Gloves	Chemically resistant
Eye Protection	Safety glasses
Other Protective Equipment (Specify)	None known.
Accidental Release Measures	
Steps to be taken in case the Material is Spilled or Released	(Use appropriate safety equipment.) For small spills, soak up with absorbent material. For large spills, dike to contain spill to prevent water pollution. Recover diked material; return recovered material to plant.
Handling and Storage	
Precautions to be taken in Handling and Storing	Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Store in a cool well ventilated area.
Disposal	
Waste Disposal Method	Absorb spilled material with absorbent compound, incinerate/dispose to conform to local disposal regulations.

SECTION IX: PREPARATION

Date Issued	November 27, 2009
Prepared by	Product safety committee
Phone	306-634-3411

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