



Prairie Mud Service

"Serving Western Canada with 24 Hour Drilling Mud Service"

PRAIRIE CAP

COMPANY: **Diversity Technologies Corp.** DATE: **July 7, 2017**
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PRODUCT NAME: **PRAIRIE CAP**

PRODUCT USE: Oilwell drilling fluid additive

CHEMICAL FAMILY: Anionic water soluble polymer in emulsion. CAS #: Mixture

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not WHMIS controlled
 WORKPLACE HAZARD: May cause skin and eye irritation.

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: Contact with liquid may cause irritation.
 SKIN CONTACT: Contact may cause irritation in susceptible persons. Prolonged contact may defat skin and produce dermatitis.
 INGESTION: May cause nausea and vomiting. LD50 Oral Rat > 5000 mg/kg
 INHALATION: Vapours or mists may irritate the upper respiratory tract.
 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: Remove contaminated clothing; wash exposed area thoroughly with soap and water. If irritation persists, obtain medical attention.
 EYE CONTACT: Immediately flush eyes with gently flowing warm water until irritation ceases. If irritation persists, obtain medical attention.
 INGESTION: Do not induce vomiting. If vomiting occurs, keep head below hips to ensure vomitus is not aspirated. If symptoms develop, obtain medical attention. Never give anything by mouth to an unconscious or convulsing victim.
 INHALATION: Move patient to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues, obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: Milky blue, viscous liquid; aliphatic odour
 SPECIFIC GRAVITY: 1.05
 BOILING POINT (°C): Not available
 MELTING POINT (°C): Not available
 SOLUBILITY IN WATER: Not available pH: 6 - 8 (5 g/L)
 PERCENT VOLATILE BY VOLUME: Not available

EVAPORATION RATE: Not available
VAPOUR PRESSURE (mmHg): 0.002 @ 20C
VAPOUR DENSITY (air = 1): Not available
BULK DENSITY: Not applicable

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Does not flash.
FLAMMABLE LIMITS: Not applicable.
EXTINGUISHING MEDIA: Use media suitable for surrounding material and packaging.
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus required for fire-fighting personnel. Remove containers from fire area, or cool with water spray, if possible.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Material becomes very slippery when contacted by water.
HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may produce oxides of carbon and oxides of nitrogen.

SECTION VII: REACTIVITY DATA

STABILITY: STABLE UNSTABLE
INCOMPATIBILITY (CONDITIONS TO AVOID): Oxidizing agents may cause exothermic reactions.
CONDITIONS OF REACTIVITY: Not available
HAZARDOUS DECOMPOSITION PRODUCTS: Not available
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR MAY OCCUR

SECTION VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not required under normal conditions of use. In case of insufficient ventilation and/or misty conditions, wear NIOSH approved respirator with dust/mist filters.
VENTILATION: Natural ventilation is adequate in absence of mists. Use process enclosure, local exhaust ventilation or other engineering controls if misting occurs.
PROTECTIVE GLOVES: Suggest rubber or viton.
EYE PROTECTION: It is recommended that safety glasses with side-shields or chemical goggles be worn when handling.
OTHER PROTECTIVE EQUIPMENT (SPECIFY): Chemical resistant apron or protective suit is recommended if splashing or repeated contact with solution is likely. Ensure eye wash station and safety shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact with skin and eyes. Use with adequate ventilation. Wash thoroughly after handling and before breaks. Launder contaminated clothing before reuse. Store in a cool, dry area away from oxidizers. Store between 0°C and 30°C. Freezing will affect the physical condition and may damage the material. This product has a shelf-life of six (6) months and stock should be rotated accordingly.

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

Wear appropriate safety equipment. Dike to prevent spread of material. For large spills, collect by vacuum. For small spills, soak up with absorbent. Collect absorbent in approved containers for disposal. Wash spill area thoroughly with a bleach solution. Do not allow material to enter public waterways or storm sewer.

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. Empty containers must be disposed of, or recycled, in accordance with local regulations.

SECTION IX: PREPARATION

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

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