



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: **Hyperfloc NF Series**
HYPERFLOC NF 201
HYPERFLOC NF301H

PRODUCT USE: Oil well drilling fluid additive.
CHEMICAL FAMILY: Nonionic polyacrylamide CAS #: Not available

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not WHMIS controlled
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>LD₅₀Oral-Rat</u>	<u>LC₅₀Inhal-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: Particles may cause mechanical irritation.
SKIN CONTACT: No effects expected. Prolonged or repeated exposure may cause irritation in some people.
INGESTION: No effects expected. LD₅₀ Oral-Rat > 5000 mg/kg.



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INHALATION: No effects expected. Exposure to high levels of dust may cause upper respiratory tract irritation including coughing and sneezing.

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: Flush thoroughly with water. If irritation develops or persists consult a physician.

EYE CONTACT: Flush with gently flowing warm water. Hold eyelids open and roll eyeball to dislodge particles. If irritation persists obtain medical attention.

INGESTION: Do not induce vomiting. If patient is fully conscious give 2 to 4 glasses of water. If symptoms develop seek medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: Move patient to fresh air. Apply oxygen or artificial respiration as required. If breathing difficulties or distress continues obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	White granular powder; odourless
SPECIFIC GRAVITY:	Not available
BOILING POINT (°C):	Not available
MELTING POINT (°C):	Not available
SOLUBILITY IN WATER:	Soluble
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

pH: 6.0 - 8.0 (0.5% sol'n)

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not applicable



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FLAMMABLE LIMITS:	Not applicable
EXTINGUISHING MEDIA:	Use media suitable for surrounding materials and packaging.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire fighting personnel. Move containers from fire area if possible. This material becomes very slippery when wet; avoid use of water as fire fighting media.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	As with most organic powders, flammable dust clouds may be formed in air. Avoid creating dust. Avoid sources of ignition.

SECTION VII: REACTIVITY DATA

STABILITY:	STABLE [XX]	UNSTABLE []
INCOMPATIBILITY (CONDITIONS TO AVOID):	Oxidizing agents may cause exothermic reactions. Avoid high temperatures, open flames, sparks and all other sources of ignition.	
CONDITIONS OF REACTIVITY:	Not available	
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may product oxides of carbon and oxides of nitrogen.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX] MAY OCCUR []	

SECTION VIII: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Use dust mask if handling in bulk to prevent inhalation of airborne particles.
VENTILATION:	If high dusting occurs use process enclosure, local exhaust ventilation or other engineering controls to reduce occupational exposure.
PROTECTIVE GLOVES:	Recommend leather.
EYE PROTECTION:	Safety glasses with side shields recommended. Do not wear contact lenses.
OTHER PROTECTIVE EQUIPMENT (Specify):	As necessary to prevent contact. Ensure eye wash station and emergency shower are available.



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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Dust generated in handling of this product can be explosive if sufficient quantities are mixed in air in which case ignition sources should be avoided. Avoid prolonged or repeated breathing of dust and contact with skin. Remove contaminated clothing; launder or dry-clean before reuse. Cleanse skin thoroughly after contact, before breaks and meals and at end of work period. Product is readily removed from skin by washing thoroughly with soap and water. Store in a cool, dry area away from incompatible materials and ignition sources.

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

Use appropriate safety equipment. Do not flush with water. Clean up by shovel or vacuum. Collect uncontaminated material for repackaging. Collect contaminated material for disposal in an approved container. After cleaning; wash spill area thoroughly with water. Avoid creating dust clouds when cleaning up spilled material.

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: October 15, 2009 BY: Product safety committee