



# **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: January 26, 2011  
**738 6<sup>th</sup> Street** PHONE: 306-634-3411  
**Estevan, SK S4A 1A4** FAX: 306-634-7310

PRODUCT NAME: **Enviroplug Fine, Medium & Coarse**

PRODUCT USE: Oil well drilling fluid additive.  
CHEMICAL FAMILY: Natural mineral, Montmorillonite CAS#: 1302-78-9

#### **WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)**

WHMIS CLASSIFICATION: D2A  
WORKPLACE HAZARD: Potential carcinogen; contains free silica.

#### **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>LD<sub>50</sub>Oral-Rat</u>	<u>LC<sub>50</sub>Inhal-Rat</u>	<u>ACGIH-TLV</u>
Silica, crystalline quartz	1-5 or 5-10*	14808-60-7	Not available	Not available	0.025 mg/m <sup>3</sup> (respirable)

*\*The typical quartz content of western bentonite is between 2 and 6%.*

#### **SECTION III: HEALTH HAZARDS**

ROUTE OF ENTRY: [ ]EYE CONTACT [ ]SKIN [XX]INHALATION [ ]INGESTION  
EYE CONTACT: May cause mechanical irritation.  
SKIN CONTACT: Possible drying resulting in dermatitis.  
INGESTION: No adverse effects expected.





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### **SECTION VI: FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT:	Not applicable
FLAMMABLE LIMITS:	Not applicable
EXTINGUISHING MEDIA:	Use media suitable for surrounding fire and packaging.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire fighting personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Product becomes very slippery when wet, avoid using water as fire fighting agent.

### **SECTION VII: REACTIVITY DATA**

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	None known.	
CONDITIONS OF REACTIVITY:	Not available.	
HAZARDOUS DECOMPOSITION PRODUCTS:	None known.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

### **SECTION VIII: PREVENTATIVE MEASURES**

#### **SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION:	NIOSH/MESA approved respirators for silica bearing dust.
VENTILATION:	Use local exhaust ventilation, process enclosure or other engineering controls to maintain concentration of airborne dust below TLV.
PROTECTIVE GLOVES:	Generally not necessary; personal preference.
EYE PROTECTION:	Suggest goggles or safety glasses.
OTHER PROTECTIVE EQUIPMENT (Specify):	Ensure emergency eye wash station and safety shower are available.

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Avoid creating dust. Avoid breathing dust; wear an approved respirator. Practice reasonable caution and personal cleanliness. Avoid eye contact. Store in cool, dry area. Empty packages contain residual hazardous material; handle as if full.



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

Wear an approved respirator. Vacuum if possible to avoid generating airborne dust. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Avoid adding water; the product will become slippery when wet.

### **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 packaging must be disposed of, or recycled, in accordance with local regulations.

### **SECTION IX: PREPARATION**

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH,  
BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

DATE ISSUED:            January 26, 2011                    BY:            Product safety committee