



# **Prairie Mud Service Ltd.**

"Serving Western Canada with 24 Hour Drilling Mud Service"

## **MSDS (Material Safety Data Sheet)**

### **SECTION I: IDENTIFICATION OF PRODUCT**

COMPANY: **Prairie Mud Service** DATE: Nov 6/09  
**738-6 Street** PHONE: 306-634-3411  
**Estevan, SK S4A 1A4** FAX: 306-634-6694

PRODUCT NAME: **MICA**

PRODUCT USE: Oilwell drilling fluid additive  
CHEMICAL FAMILY: Magnesium potassium silicate CAS #: 12001-26-2

### **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>
Mica	99 - 100	12001-26-2	Not available	Not available	3 mg/m <sup>3</sup>
Quartz; crystalline silica	0.1 - 2.0	14808-60-7	Not available	Not available	0.05 mg/m <sup>3</sup>

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

ROUTE OF ENTRY: [ ] EYE CONTACT [ ] SKIN [XX] INHALATION [XX] INGESTION  
EYE CONTACT: May cause mechanical irritation and/or damage.  
SKIN CONTACT: Prolonged or repeated contact may cause irritation in some individuals.  
INGESTION: May cause gastrointestinal irritation, nausea and diarrhea.





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

FLASH POINT:	Not flammable
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.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None.

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

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid strong acids and alkalis.	
CONDITIONS OF REACTIVITY:	None known.	
HAZARDOUS DECOMPOSITION PRODUCTS:	None known.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

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

#### **SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION:	NIOSH approved dust masks or respirators for silica bearing dust.
VENTILATION:	Use local exhaust ventilation, process enclosure or other engineering controls to maintain PEL's/TLV's
PROTECTIVE GLOVES:	Personal preference.
EYE PROTECTION:	Safety glasses or goggles recommended.
OTHER PROTECTIVE EQUIPMENT (Specify):	Ensure eyewash station and emergency 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. Launder contaminated clothing before reuse. Store in cool, dry area. Empty packages contain residual hazardous material and should be handled as if full.



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

Avoid breathing dust; wear an approved respirator. Vacuum up, if possible, to avoid generating airborne dust. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal.

### **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 above information is supplied as a customer service and is provided in good faith. Although it has been based on data drawn from sources deemed to be reliable, Prairie Mud Service cannot guarantee its accuracy and assumes no responsibility for conditions resulting from its use.

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