



# **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: Oct 15/09  
**738 6<sup>th</sup> Street** PHONE: 306-634-3411  
**Estevan, SK S4A 1A4** FAX: 306-634-6694

PRODUCT NAME: **OILGEL 3000**

PRODUCT USE: Oil well drilling fluid additive

CHEMICAL FAMILY: Organophilic clay CAS #: Not available

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

WHMIS CLASSIFICATION: D2A

WORKPLACE HAZARD: Long-term inhalation may cause cancer; may form flammable or explosive dust clouds

### **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>% (wt/wt)</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>
Quartz; crystalline silica	1-5	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 [ ] INGESTION

EYE CONTACT: Mechanical irritant.

SKIN CONTACT: No effects expected.

INGESTION: Low oral toxicity. No effects expected.



# **Prairie Mud Service Ltd.**

"Serving Western Canada with 24 Hour Drilling Mud Service"

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

INHALATION:	May cause irritation of the upper respiratory tract. This product contains crystalline silica. Breathing silica containing dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Chronic inhalation may cause silicosis, a progressive, disabling and sometimes fatal lung disease. Chronic inhalation exposure to crystalline silica quartz has been observed to cause lymph node effects, kidney effects and auto-immune disease.
CARCINOGENICITY:	This product is not listed by ACGIH, IARC, NTP or OSHA. Crystalline silica, when inhaled from occupational sources, is considered as a human carcinogen by IARC (Class 1) and by NTP. ACGIH classifies crystalline silica, quartz, as a suspected human carcinogen (A2).
TERATOGENICITY:	No information available. No adverse reproductive effects are anticipated.
REPRODUCTIVE TOXICITY:	No information available. No adverse reproductive effects are anticipated.
MUTAGENICITY:	Crystalline silica has been shown to cause mutagenic effects in human cells in-vitro.
SYNERGISTIC PRODUCTS:	None known.

### **SECTION IV: FIRST AID MEASURES**

SKIN CONTACT:	Wash with soap and water. If irritation persists, or develops, seek medical attention.
EYE CONTACT:	Flush with gently flowing warm water until particles are removed and irritation ceases. If irritation persists, contact a physician.
INGESTION:	If large amounts ingested, obtain medical attention.
INHALATION:	Move to area free from dust. If breathing difficulties continue, obtain medical attention. Inhalation may aggravate existing respiratory illness.

### **SECTION V: PHYSICAL DATA**

APPEARANCE AND ODOUR:	Pale grey to buff powder; no odour	
SPECIFIC GRAVITY:	Not available	
BOILING POINT (°C):	Not available	
MELTING POINT (C):	Not available	
SOLUBILITY IN WATER:	Insoluble	pH: Not available



# **Prairie Mud Service Ltd.**

*"Serving Western Canada with 24 Hour Drilling Mud Service"*

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

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

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

FLASH POINT: Does not flash (organic dust).  
FLAMMABLE LIMITS: UEL: No upper limit LEL: 73.6 g/m<sup>3</sup>  
EXTINGUISHING MEDIA: Use media suitable for surrounding materials and packaging.  
Control dust cloud formation. Self-contained breathing apparatus required for fire fighting personnel.  
Normal precautions for organic dusts should be provided. Avoid dust concentrations above the lower explosive limit. Avoid dust contact with sources of ignition.

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

STABILITY: STABLE [XX] UNSTABLE [ ]  
INCOMPATIBILITY: Avoid ignition sources.  
(CONDITIONS TO AVOID):  
CONDITIONS OF REACTIVITY: None known.  
HAZARDOUS DECOMPOSITION: Possible traces of carbon dioxide and ammonia.  
PRODUCTS:  
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.



# ***Prairie Mud Service Ltd.***

*"Serving Western Canada with 24 Hour Drilling Mud Service"*

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

### **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. Slippery when wet. Store in cool, dry area. Empty packages contain residual hazardous material and should be handled as if full.

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

Use appropriate safety equipment. 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. Do not flush with water; becomes slippery when wet.

### **WASTE DISPOSAL METHOD**

Dispose of 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. May be disposed of as an inert solid in a sanitary landfill in some locations.

### **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.

Date Issued: October 15, 2009

By: Product Safety Committee

Phone: 306-634-3411