



# Prairie Mud Service

Fluid Solutions Thru Experience and Technology

## FLOWSTOP

### SECTION 1: IDENTIFICATION OF PRODUCT

COMPANY: **Prairie Mud Service.** DATE: **February 15, 2016**  
**738 6<sup>th</sup> Street** PHONE: **306-634-3411**  
**Estevan, SK S4A 1A4** FAX: **306-634-7310**

PRODUCT NAME: **FLOWSTOP**

PRODUCT USE: Oilwell drilling fluid additive

CHEMICAL FAMILY: Mixture CAS #: Mixture

### SECTION 2: HEALTH HAZARDS

CLASSIFICATION: WHMISCLASSIFICATION: **D2A**



WORKPLACE HAZARD: Potential carcinogen; contains free silica

ROUTE OF ENTRY: [ X ] EYE CONTACT [ X ] SKIN CONTACT [ ] INHALATION [ X ] INGESTION

EYE CONTACT: May cause mechanical irritation and/or damage.

SKIN CONTACT: May cause transient irritation.

INGESTION: May cause gastrointestinal irritation, nausea and diarrhea.

INHALATION: May cause irritation of the upper respiratory tract. This product may contain crystalline silica. Breathing silica containing dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Chronic inhalation of crystalline silica 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 may contain crystalline silica. 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.

REPRODUCTIVE TOXICITY: No information available.

MUTAGENICITY: Crystalline silica has been shown to cause mutagenic effects in human cells in-vitro.

SYNERGISTIC PRODUCTS: No information available.

### SECTION 3: COMPOSITION/INGREDIENTS

INGREDIENT	% (w/w)	CAS NUMBER	LD <sub>50</sub> Oral-Rat	LC <sub>50</sub> Inhal-Rat	ACGIH-TLV
Mica		12001-26-2	Not available	Not available	3 mg/m <sup>3</sup>
Quartz; crystalline silica	5 - 10		Not available	Not available	0.025 mg/m <sup>3</sup>
	0.1 - 1.0	14808-60-7			

### SECTION 4: FIRST AID MEASURES

SKIN CONTACT: If irritation occurs, or when shift ends, wash with soap and water until clean. If irritation persists, obtain medical attention.

EYE CONTACT: Flush with gently flowing warm water until particles are removed. If irritation persists,

INGESTION: obtain medical attention.  
If large quantity ingested, obtain medical attention.  
INHALATION: Move to area free from dust. If breathing difficulties, or distress, continue obtain medical attention.

## **SECTION 5: 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.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and other toxic vapours upon combustion.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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.

## **SECTION 7: 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.

## **SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

### **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.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOUR: Amber, thin, flaky powder; no odour  
SPECIFIC GRAVITY: 2.7 - 2.9  
BOILING POINT (°C): Not available  
MELTING POINT (°C): Not available  
SOLUBILITY IN WATER: Insoluble  
pH: Not applicable  
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 10: REACTIVITY DATA**

STABILITY:  STABLE  UNSTABLE  
INCOMPATIBILITY (CONDITIONS TO AVOID): Avoid contact with strong oxidizers, strong acids and strong alkalis. Keep away from open flames.  
CONDITIONS OF REACTIVITY: None known.  
HAZARDOUS DECOMPOSITION PRODUCTS: Not available.  
HAZARDOUS POLYMERIZATION:  WILL NOT OCCUR  MAY OCCUR

## **SECTION 13: 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 14: TRANSPORT INFORMATION**

### **TRANSPORTATION OF DANGEROUS GOODS (TDG)**

PROPSHIPPINGNAME: Not regulated under TDG  
TDG CLASSIFICATION: Not applicable  
UN NUMBER (PIN): Not applicable  
PACKING GROUP: Not applicable

## **SECTION 15: REGULATORY INFORMATION**

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

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

## **SECTION 16: OTHER INFORMATION**

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

DATE ISSUED: SUPERSEDES:

**February 15, 2016**

February 17, 2013