



# **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** FAX: 306-634-6694

PRODUCT NAME: **XANVIS**

PRODUCT USE: Oil well drilling fluid additive  
CHEMICAL FAMILY: Xanthan gum (polysaccharide polymer) CAS #: 11138-66-2

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

WHMIS CLASSIFICATION: Not controlled product under WHMIS  
WORKPLACE HAZARD: Not applicable

### **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>
Glyoxal	<1.0	107-22-2	640 – 8979 mg/kg	1300-2400 mg/m <sup>3</sup> /4hr	Not available

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

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

EYE CONTACT: Mechanical irritation due to dust.

SKIN CONTACT: May cause irritation. Prolonged contact may cause drying or chapping. The product showed no skin allergy in guinea pig testing following repeated skin exposure. Contains glyoxal, which may cause sensitization in susceptible persons.

INGESTION: Non-toxic based on available information. LD<sub>50</sub> Oral - Rat > 5000 mg/kg. No adverse effects observed in long-term feeding study with rats (up to 1000 mg/kg/day).

INHALATION: Hygroscopic properties of the gum can form a paste or gel in the airway. Excessive inhalation of dust may cause coughing and sneezing.

CARCINOGENICITY: No information available.

TERATOGENICITY: No information available.



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REPRODUCTIVE TOXICITY: No adverse effects were observed in a 3 generation reproduction sturdy with rats (up to 500 mg/kg/day).  
MUTAGENICITY: No information available.  
SYNERGISTIC PRODUCTS: No information available.

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

SKIN CONTACT: Wash with soap and water. If irritation develops obtain medical attention.  
EYE CONTACT: Flush with gently flowing warm water until particles are removed. If irritation persists obtain medical attention.  
INGESTION: Rinse mouth and give one to two glasses of water to dilute material. If symptoms develop, obtain medical attention. Never give anything by mouth if victim is unconscious, rapidly losing consciousness or convulsing.  
INHALATION: Move patient to fresh air. Give oxygen or apply artificial respiration if required. If breathing difficulties or distress continues obtain medical attention.

## **SECTION V: PHYSICAL DATA**

APPEARANCE AND ODOUR: White to tan powder; odourless  
SPECIFIC GRAVITY: Not available  
BOILING POINT (°C): Not available  
MELTING POINT (°C): Not available  
SOLUBILITY IN WATER: Soluble pH: neutral (1% sol'n)  
PERCENT VOLATILE BY VOLUME: Not available  
VAPOUR PRESSURE (mmHg): Not available  
VAPOUR DENSITY (air = 1): Not available  
BULK DENSITY: ~50 lbs/ft<sup>3</sup>

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

FLASH POINT: Not applicable  
FLAMMABLE LIMITS: Not applicable  
EXTINGUISHING MEDIA: Use CO<sub>2</sub>, water spray, dry chemical or foam extinguisher.  
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus required for fire fighting personnel.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust clouds in air can create explosive mixtures in the presence of an ignition source. Product will burn when in contact with a flame. Self extinguishes when ignition source is removed. Tends to smolder.



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

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing agents. Avoid creating dust clouds.	
CONDITIONS OF REACTIVITY:	Strong oxidizing agents.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition produces oxides of carbon.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

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

#### **SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION:	Dust masks recommended.
VENTILATION:	General mechanical sufficient for normal conditions
PROTECTIVE GLOVES:	Suggest impervious gloves.
EYE PROTECTION:	Safety glasses or goggles for dusty environments.
OTHER PROTECTIVE EQUIPMENT (Specify):	Ensure eyewash station and emergency shower are available.

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

Avoid dust formation. Provide appropriate exhaust ventilation in places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid conditions that generate airborne dust in handling, transfer and clean-up. Product may form combustible dust-air mixtures. Keep away from heat, flame, sparks and other ignition sources. Avoid emptying package in, or near, flammable vapours. Static charges may cause flash fire. Remove material from eyes, skin and clothing. Launder contaminated clothing before reuse. Store in a cool, dry area away from oxidizers.

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

Use appropriate protective equipment. Avoid creating dust clouds. Product is extremely slippery when wet. Sweep up or vacuum to collect. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Thoroughly flush spill area with water until non-slippery.

#### **WASTE DISPOSAL METHOD**

Dispose/landfill in accordance with federal, provincial and local regulations. Uncontaminated material is suitable for landfill disposal in most locations. Check with local operator. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal.



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### **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

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