



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: November 6, 2009
738 6th Street PHONE: 306-634-3411
Estevan, SK S4A 1A4 FAX: 306-634-7310

PRODUCT NAME: **OMV-100**

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: Contains crystalline silica: Long-term inhalation may cause lung damage and cancer

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>LD₅₀ Oral-Rat</u>	<u>LC₅₀ Inhal-Rat</u>	<u>ACGIH-TLV</u>
Quartz; crystalline silica	<6	14808-60-7	Not available	Not available	0.025 mg/m ³ (respirable)

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [] EYE CONTACT [] SKIN [XX] INHALATION [] INGESTION
EYE CONTACT: May cause irritation.
SKIN CONTACT: No effects expected.
INGESTION: Low oral toxicity: LD₅₀ oral-rat >5000 mg/kg. No effects expected.



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BULK DENSITY: Not available

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 known.

SECTION VII: REACTIVITY DATA

STABILITY: STABLE [XX] UNSTABLE []
INCOMPATIBILITY (CONDITIONS TO AVOID): Avoid strong oxidizing agents, high temperatures and open flames.
CONDITIONS OF REACTIVITY: None.
HAZARDOUS DECOMPOSITION PRODUCTS: Possible emission of carbon dioxide and traces of ammonia.
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. Ensure all equipment (tanks, hoppers, transfer pipes, containers, etc) is properly grounded to avoid static electricity discharge. 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

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

SECTION IX: PREPARATION

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

DATE ISSUED: November 6, 2009 BY: Product safety committee