

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, 2009
738 6th Street PHONE: 306-634-3411
Estevan, SK FAX: 306-634-6694

PRODUCT NAME: **Gypsum**

PRODUCT USE: Land Reclamation; drilling fluid additive
CHEMICAL FAMILY: Inorganic calcium salt (calcium sulphate) CAS #: 7778-18-9

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not a 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>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD₅₀Oral-Rat</u>	<u>LC₅₀Inhal-Rat</u>	<u>ACGIH-TLV</u>
Calcium sulphate	70-100	7778-18-9	Not available	Not available	10 mg/m ³

Small amounts (less than reportable) quantities of respirable crystalline silica are present in this

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [] EYE CONTACT [] SKIN [] INHALATION [] INGESTION
EYE CONTACT: May cause mechanical irritation
SKIN CONTACT: Prolonged contact may cause skin irritation
INGESTION: No toxic effects expected. Gypsum will absorb moisture and clumps may form and create blockages in the stomach.
INHALATION: Gypsum will absorb moisture quickly causing clumps in the nasal passages and upper respiratory tract.



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CARCINOGENICITY: No information available
TERATOGENICITY: No information available.
REPRODUCTIVE TOXICITY: No information available
MUTAGENICITY: No information available
SYNERGISTIC PRODUCTS: No information available.

SECTION IV: FIRST AID MEASURES

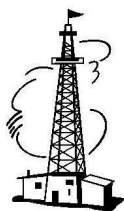
SKIN CONTACT: Remove contaminated clothing and wash exposed area thoroughly with soap and water.
EYE CONTACT: Flush with gently flowing warm water for 5 minutes or until irritation ceases. If irritation persists obtain medical attention.
INGESTION: Do not induce vomiting. Rinse mouth with water. Have victim drink 8 -10 oz of water to dilute material. If irritation or discomfort occurs, obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.
INHALATION: Move victim to fresh air. Apply oxygen or artificial respiration as required. If breathing difficulties or distress continues obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: Light grey powder, odourless
SPECIFIC GRAVITY: 2.96
BOILING POINT (°C): Not applicable (decomposes)
MELTING POINT (°C): 1559
SOLUBILITY IN WATER: 0.262 g/100ml pH: Not available
PERCENT VOLATILE BY VOLUME: 0
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: Not flammable
FLAMMABLE LIMITS: Not determines
EXTINGUISHING MEDIA: Use media appropriate for packaging and surrounding materials



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SPECIAL FIRE FIGHTING
PROCEDURES:

Self-contained breathing apparatus required for firefighting personnel. Move containers from fire if possible.

UNUSUAL FIRE AND
EXPLOSION HAZARDS:

None known, Gypsum does not support combustion

SECTION VII: REACTIVITY DATA

STABILITY:

STABLE [XX]

UNSTABLE []

INCOMPATIBILITY

Reacts violently with aluminum when heated.

(CONDITIONS TO AVOID):

Mixtures of calcium sulphate with phosphorus ignite at high temperatures.

CONDITIONS OF REACTIVITY:

Not available

HAZARDOUS DECOMPOSITION

Thermal oxidative decomposition can produce toxic fumes of sulphur oxides.

PRODUCTS:

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR [XX] MAY OCCUR []

SECTION VIII: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Suggest NIOSH/MESA approved dust mask for levels of airborne dust below TLV. Use approved respirator with dust cartridges for levels of airborne dust greater than TLV.

VENTILATION:

Use in well ventilated area. Use local exhaust ventilation, process enclosure or other engineering controls to maintain dust levels below TLV.

PROTECTIVE GLOVES:

None required

EYE PROTECTION:

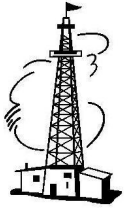
Suggest goggles; nuisance dust

OTHER PROTECTIVE EQUIPMENT
(Specify):

Ensure eye-wash station and emergency shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid ingestion. Practice reasonable caution and personal cleanliness. Wash thoroughly after handling, at breaks and before going off shift. Launder contaminated clothing before reuse. Store in a cool, dry area away from incompatibles.



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

Use appropriate safety equipment. Vacuum or sweep-up. Avoid creating dust on cleanup. Collect contaminated material in approved containers for disposal. Collect uncontaminated material for repackaging. Flush spill area with water.

WASTE DISPOSAL METHOD

Dispose of in accordance with federal, provincial and local regulations. This material may be suitable for disposal in a landfill, 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. Empty packages must be disposed of, recycled, in accordance with local regulations.

SECTION IX: PREPARATION

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

DATE ISSUED: October 15, 2009

BY: Product safety committee

PHONE: 306-634-3411