

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: Nov 27, 2009
738 6th Street PHONE: 306-634-3411
Estevan, SK FAX: 306-634-6694

PRODUCT NAME: **Gilsonite (Cement Grade)**
Gilsonite HT Pulverized

PRODUCT USE: Oil well drilling fluid and cement additive
CHEMICAL FAMILY: Gilsonite CAS #: 12002-43-6

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

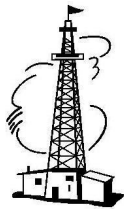
SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD₅₀Oral-Rat</u>	<u>LC₅₀Inhal-Rat</u>	<u>ACGIH-TLV</u>
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Contains no WHMIS controlled ingredients.

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [] EYE CONTACT [] SKIN [] INHALATION [] INGESTION
EYE CONTACT: May cause mechanical irritation
SKIN CONTACT: Not expected to cause prolonged or significant skin irritation.
INGESTION: The systemic toxicity of this substance has not been determined;
however it should be practically non-toxic to internal organs if
swallowed.
INHALATION: Dust may cause upper respiratory tract irritation
CARCINOGENICITY: Not expected to be carcinogenic



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TERATOGENICITY: No information available.
REPRODUCTIVE TOXICITY: No information available
MUTAGENICITY: Not expected to be mutagenic
SYNERGISTIC PRODUCTS: No information available.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Launder contaminated clothing before reuse.

EYE CONTACT: If irritation occurs, immediately flush eyes with gently flowing warm water until particles are dislodged. If irritation persists, contact a physician.

INGESTION: Not expected to be an ingestion problem, no first aid procedures are required.

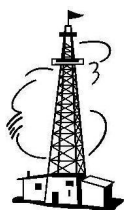
INHALATION: Move victim to fresh air. Apply oxygen or artificial respiration as required. Seek medical attention if symptoms develop or persist.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: Black solid, little odour
SPECIFIC GRAVITY: 1.04-1.06 @ 15.6°C
BOILING POINT (°C): Not applicable
MELTING POINT (°C): 135-205
SOLUBILITY IN WATER: Insoluble pH: Not applicable
PERCENT VOLATILE BY VOLUME: 2% @163°C for 5 hours
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 applicable
FLAMMABLE LIMITS: Not applicable
EXTINGUISHING MEDIA: CO₂, dry chemical, foam or water fog



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SPECIAL FIRE FIGHTING
PROCEDURES:
UNUSUAL FIRE AND
EXPLOSION HAZARDS:

Self-contained breathing apparatus required for
firefighting personnel.
Dust/Air mixtures may ignite violently in contact
with sparks, open flames or temperatures in excess of
570°C

SECTION VII: REACTIVITY DATA

STABILITY:
INCOMPATIBILITY
(CONDITIONS TO AVOID):

STABLE [XX] UNSTABLE []
May react with strong oxidizing agents. Avoid
generating dust clouds in presence of ignition
sources.

CONDITIONS OF REACTIVITY:
HAZARDOUS DECOMPOSITION
PRODUCTS:

Not available
Oxides of carbon and nitrogen. Thermal cracking
may produce poly-nuclear aromatic hydrocarbons,
which are carcinogenic and mutagenic.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR [XX] MAY OCCUR []

SECTION VIII: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
VENTILATION:
PROTECTIVE GLOVES:
EYE PROTECTION:
OTHER PROTECTIVE EQUIPMENT
(Specify):

Suggest dust mask; nuisance dust
General mechanical sufficient for normal conditions
None required
Suggest goggles, nuisance dust
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. Avoid skin and eye contact. Skin contact and breathing vapour or mists derived from certain processes in which Gilsonite is heated to high temperatures should be avoided. Store in a cool, dry area away from oxidizers and ignition sources.

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

Use appropriate safety equipment. Avoid creating dust clouds. Collect uncontaminated material for repackaging. Collect contaminated material for disposal in an approved container for disposal. Material may be collected by vacuum or by sweeping and shoveling



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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.

SECTION IX: PREPARATION

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

DATE ISSUED: November 27, 2009

BY: Product safety committee

PHONE: 306-634-3411