

# MATERIAL SAFETY DATA SHEET

## SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **June 16, 2008**  
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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>% (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>
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.  
TERATOGENICITY: No information available.

REPRODUCTIVE TOXICITY:	No information available.
MUTAGENICITY:	No 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:	CO <sub>2</sub> , dry chemical, foam or water fog.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire fighting personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Dust/air mixtures may ignite violently in contact with sparks, open flames or temperatures in excess of 570°C.

**SECTION VII: REACTIVITY DATA**

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	May react with strong oxidizing agents. Avoid generating dust clouds in presence of ignition sources.	
CONDITIONS OF REACTIVITY:	Not available	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and nitrogen. Thermal cracking may produce polynuclear aromatic hydrocarbons, which are carcinogenic and mutagenic.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

**SECTION VIII: PREVENTATIVE MEASURES****SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION:	Suggest dust mask; nuisance dust.
VENTILATION:	General mechanical sufficient for normal conditions.
PROTECTIVE GLOVES:	None required.
EYE PROTECTION:	Suggest goggles; nuisance dust.
OTHER PROTECTIVE EQUIPMENT (Specify):	Ensure eye wash station and safety 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 of 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.

**WASTE DISPOSAL METHOD**

Dispose in accordance with federal, provincial and local regulations. This material may be suitable for disposal in 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.

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BY: Product safety committee

SUPERSEDES: July 12, 2005

PHONE: 780-440-4923

**Diversity Technologies Corp. is the parent company of  
Canamara-United Supply, Hollimex Products, The Drilling Depot and  
Westcoast Drilling Supplies.**