

# MATERIAL SAFETY DATA SHEET

## SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: October 3, 2008  
**8750 – 53<sup>rd</sup> Ave.** PHONE: 780-468-4064  
**Edmonton, AB T6E 5G2** FAX: 780-469-1899

PRODUCT NAME: **Barite 4.1**

PRODUCT USE: Oil well drilling fluid additive.  
CHEMICAL FAMILY: Inorganic barium salt CAS#: 7727-43-7

## WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not WHMIS controlled  
WORKPLACE HAZARD: Treat as a nuisance dust

## 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: No adverse effect expected.  
INGESTION: No adverse effect expected.  
INHALATION: May cause irritation of the upper respiratory tract.  
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

EYE CONTACT: Flush eyes with gently flowing warm water until particles are dislodged. If irritation persists, obtain medical attention.

SKIN CONTACT: If irritation occurs, or when shift ends, wash with soap and water until clean. If irritation persists, obtain medical attention.

INGESTION: If fully conscious, give large quantity of water and induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious or convulsing person.

INHALATION: Move to area free from dust. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues, obtain medical attention.

#### SECTION V: PHYSICAL DATA

|                             |  |
|-----------------------------|--|
| APPEARANCE AND ODOUR:       | Brown to grey powder; odourless                |
| SPECIFIC GRAVITY:           | 4.2 to 4.4                                     |
| BOILING POINT (°C):         | Decomposes                                     |
| MELTING POINT (°C):         | 1560   |
| SOLUBILITY IN WATER:        | 0.002 – 0.006 g/100 mL water 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 applicable.  |
| EXTINGUISHING MEDIA:                | Use media suitable for packaging and surrounding fire.                   |
| SPECIAL FIRE FIGHTING PROCEDURES:   | Self-contained breathing apparatus required for fire fighting personnel. |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: | None.  |

**SECTION VII: REACTIVITY DATA**

|   |                     |               |
|---|---------------------|---------------|
| STABILITY:                                | STABLE [XX]         | UNSTABLE [ ]  |
| INCOMPATIBILITY<br>(CONDITIONS TO AVOID): | None known.         |               |
| CONDITIONS OF REACTIVITY:                 | Not available.      |               |
| HAZARDOUS DECOMPOSITION<br>PRODUCTS:      | None known.         |               |
| HAZARDOUS POLYMERIZATION:                 | WILL NOT OCCUR [XX] | MAY OCCUR [ ] |

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

|  |  |
|--|--|
| RESPIRATORY PROTECTION:                  | Approved dust mask required for dust levels below TLV. Use approved respirator with dust cartridges if airborne concentration exceeds TLV. |
| VENTILATION:                             | Use local exhaust ventilation, process enclosure or other engineering controls to maintain concentration of airborne dust below TLV.       |
| PROTECTIVE GLOVES:                       | Personal preference.   |
| EYE PROTECTION:                          | Suggest goggles or safety glasses with side-shields be worn.   |
| OTHER PROTECTIVE EQUIPMENT<br>(Specify): | Ensure eye wash station and emergency shower are available.  |

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

Avoid breathing dust. Practice reasonable caution and personal cleanliness. Store in a cool dry area.

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

Use appropriate safety equipment. Collect uncontaminated material for repackaging. Collect contaminated material in appropriate containers for disposal.

**WASTE DISPOSAL METHOD**

Dispose in accordance with federal, provincial and local regulations. 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: | January 3, 2007 | BY:    | Product safety committee |
| SUPERSEDES:  | None            | PHONE: | 780-440-4923             |

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