

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **May 26, 2010**
8750 – 53rd Ave. PHONE: 780-468-4064
Edmonton, AB T6E 5G2 FAX: 780-469-1899

PRODUCT NAME: **Bore-Plate™**

PRODUCT USE: Oil well drilling fluid additive.
CHEMICAL FAMILY: Asphaltite CAS #: 12002-43-6

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: **E**
WORKPLACE HAZARD: **Corrosive solid**

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>LD₅₀Oral-Rat</u>	<u>LC₅₀Inhal-Rat</u>	<u>ACGIH-TLV</u>
Gilsonite	65-85	12002-43-6	Not available	Not available	5 mg/m ³
Sodium hydroxide	2-5	1310-73-2	Not available	Not available	2 mg/m ³

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: EYE CONTACT SKIN INHALATION INGESTION
EYE CONTACT: May be corrosive and cause abrasion. The degree of injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain, tears, swelling, redness and blurred vision (based on data from similar materials).
SKIN CONTACT: Prolonged contact may cause caustic burns.
INGESTION: Can cause burns to digestive tract. The systemic toxicity of this material has not been determined.

INHALATION: May be irritating to the respiratory tract. May be corrosive to lungs and mucous membranes.

CARCINOGENICITY: Not listed by NTP, OSHA or ACGIH.

TERATOGENICITY: No information available.

REPRODUCTIVE TOXICITY: No information available.

MUTAGENICITY: Not mutagenic in Ames assay test.

SYNERGISTIC PRODUCTS: No information available.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing and wash contacted area thoroughly with soap and water. If irritation develops, obtain medical attention.

EYE CONTACT: Immediately flush with gently flowing warm water for 15 minutes, or until irritation ceases. Obtain medical attention when flushing period is complete.

INGESTION: Do not induce vomiting. Rinse mouth and give one to two glasses of water to dilute material. Obtain immediate medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: Move patient to fresh air. Give oxygen or apply artificial respiration if required. Obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Black, free-flowing powder; odourless
SPECIFIC GRAVITY:	1.10
BOILING POINT (°C):	Not available
MELTING POINT (°C):	Not available
SOLUBILITY IN WATER:	Not available pH: Not available
PERCENT VOLATILE BY VOLUME:	Not available
EVAPORATION RATE:	Not available
VAPOUR PRESSURE (mmHg):	Not available
VAPOUR DENSITY (air = 1):	Not available
BULK DENSITY:	Not available

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	218.3°C
FLAMMABLE LIMITS:	Not available
EXTINGUISHING MEDIA:	Use carbon dioxide, dry chemical, foam or water fog

SPECIAL FIRE FIGHTING PROCEDURES:

Self-contained breathing apparatus required for fire fighting personnel. Move containers from fire area, if possible.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Dusts are subject to combustion or explosion upon contact with sparks, open flames or temperatures in excess of 538°C.

SECTION VII: REACTIVITY DATA**STABILITY:**

STABLE [XX]

UNSTABLE []

INCOMPATIBILITY**(CONDITIONS TO AVOID):**

May react with strong oxidizers. Avoid contact with aluminum, tin, lead, zinc and other alloys. Contact with metals may form flammable and explosive hydrogen gas.

CONDITIONS OF REACTIVITY:

Heat; contact with incompatible materials.

HAZARDOUS DECOMPOSITION**PRODUCTS:**

Carbon dioxide, water vapour and perhaps oxides of nitrogen on combustion.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR [XX] MAY OCCUR []

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

Dust masks recommended. Use approved respirator with dust cartridges if TLV is exceeded.

VENTILATION:

Local exhaust ventilation, process enclosure or other engineering control should be used to ensure that dust concentration in air does not exceed TLV.

PROTECTIVE GLOVES:

Not required.

EYE PROTECTION:

Safety glasses with side shields or goggles for dusty environments.

OTHER PROTECTIVE EQUIPMENT (Specify):

Ensure eyewash station and emergency shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid skin and eye contact. Wash thoroughly after use. Discard, or thoroughly clean contaminated clothing and footwear before reuse. Store in a cool, dry area away from oxidizers and ignition sources. Avoid creating dust clouds during use.

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

Use appropriate safety equipment. Eliminate ignition sources. Sweep up and shovel to collect material. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal.

WASTE DISPOSAL METHOD

Dispose/landfill 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: May 26, 2010 BY: Product safety committee
SUPERSEDES: August 19, 2009 PHONE: 780-440-4923

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