

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **July 18, 2010**
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PRODUCT NAME: **HEC - 10**

PRODUCT USE: Oil well drilling fluid additive and cement additive
CHEMICAL FAMILY: Cellulose ethers CAS # 9004-62-0

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not a controlled product under WHMIS
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>LD₅₀Oral-Rat</u> | <u>LC₅₀Inhal-Rat</u> | <u>ACGIH-TLV</u> |
|------------------------|----------------|-------------------|--------------------------------|---------------------------------|----------------------|
| Hydroxyethyl cellulose | >=86.0 | 9004-62-0 | Not available | Not available | Not established |
| Sodium acetate | <=7.5 | 127-09-3 | 3500 mg/kg | Not available | Not established |
| Cellulose | <=1.5 | 9004-34-6 | 3160 mg/kg | Not available | 10 mg/m ³ |

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: EYE CONTACT SKIN INHALATION INGESTION
EYE CONTACT: May cause slight irritation. Solid or dust may cause irritation or corneal injury due to mechanical action.
SKIN CONTACT: No evidence of harmful effects from available information.
INGESTION: Very low toxicity. May result in gastrointestinal irritation or ulceration.
INHALATION: May cause irritation of the upper respiratory tract.
CARCINOGENICITY: No ingredients considered as carcinogenic.

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| TERATOGENICITY: | No ingredients considered as teratogenic or fetotoxic. |
| REPRODUCTIVE TOXICITY: | No ingredients considered to interfere with reproduction. |
| MUTAGENICITY: | No ingredients considered as mutagenic. |
| SYNERGISTIC PRODUCTS: | No information available. |

SECTION IV: FIRST AID MEASURES

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| SKIN CONTACT: | Brush away excess material. Wash thoroughly with soap and water. If irritation develops or persists, seek medical attention. |
| EYE CONTACT: | Flush with gently flowing warm water for 5 minutes or until irritation ceases. If irritation persists, seek medical attention. |
| INGESTION: | If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel. |
| INHALATION: | Remove to fresh air. Apply artificial respiration or seek medical attention if symptoms develop. |

SECTION V: PHYSICAL DATA

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| APPEARANCE AND ODOUR: | White powder; mild odour |
| SPECIFIC GRAVITY: | 0.4 – 0.6 |
| BOILING POINT (°C): | Not applicable |
| MELTING POINT (°C): | Not applicable |
| SOLUBILITY IN WATER: | Completely miscible pH: 6.0 – 7.0 |
| PERCENT VOLATILE BY VOLUME: | Not available |
| EVAPORATION RATE: | Not available |
| VAPOUR PRESSURE (mmHg): | Not applicable |
| VAPOUR DENSITY (air = 1): | Not applicable |
| BULK DENSITY: | Not available |

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

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| FLASH POINT: | Not applicable |
| FLAMMABLE LIMITS: | Not applicable |
| EXTINGUISHING MEDIA: | Use alcohol based or all-purpose foam for large fires. Use CO ₂ or dry chemical medial for small fires. |
| SPECIAL FIRE FIGHTING PROCEDURES: | Self-contained breathing apparatus required for fire fighting personnel. |

**UNUSUAL FIRE AND
EXPLOSION HAZARDS:**

Avoid dispersion of dust in air to reduce potential for dust ignition and/or explosions. Dust is easily ignited avoid ignition sources. Auto ignition temperature > 400°C. Static ignition hazard can result from handling and use. Electrically bond and ground all containers and equipment before transfer or use of material.

SECTION VII: REACTIVITY DATA

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| STABILITY: | STABLE [XX] | UNSTABLE [] |
| INCOMPATIBILITY (CONDITIONS TO AVOID): | No incompatibilities listed. Avoid temperatures above 200°C. Exposure to elevated temperatures can cause product to decompose. Avoid moisture; product is hygroscopic. Avoid contact with strong oxidizers. | |
| CONDITIONS OF REACTIVITY: | Not available | |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Oxides of carbon produced upon combustion. | |
| HAZARDOUS POLYMERIZATION: | WILL NOT OCCUR [XX] | MAY OCCUR [] |

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

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| RESPIRATORY PROTECTION: | Wear NIOSH/MESA approved dust mask or respirator with dust cartridges if dust is generated during use. |
| VENTILATION: | General mechanical ventilation is normally adequate. Use local exhaust ventilation, process enclosure or other engineering controls to maintain level of airborne dust below TLV. |
| PROTECTIVE GLOVES: | Suggest plastic or rubber. |
| EYE PROTECTION: | Suggest goggles or safety glasses with side-shields be worn. |
| OTHER PROTECTIVE EQUIPMENT (Specify): | Ensure emergency eye wash station and safety shower are available when handling chemicals. |

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sparks, and flame. Keep container closed. Avoid contact with eyes. Wash thoroughly after handling. Avoid dispersion of dust in air to reduce potential for dust ignition/explosion. Handle in properly bonded and grounded, electrically conductive equipment. Handle and convey bulk material in inert nitrogen-blanketed atmospheres. Store in sealed containers in a cool, dry area away from oxidizers.

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

Wear suitable protective equipment. Avoid creating dust clouds. Collect with vacuum if possible. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Water solutions: Cover with absorbent. Sweep up, collect and dispose immediately.

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. Unused and uncontaminated product may be disposed in a landfill; check with local operator. Dispose of, or recycle, empty packaging 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.

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