

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: Dec. 19, 2005
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Edmonton, AB T6E 5G2 FAX: 604-940-6080

PRODUCT NAME: **BIG BEAR ROD GREASE**

PRODUCT USE: Anti-seize compound
CHEMICAL FAMILY: Mixture CAS #: Mixture

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not WHMIS regulated.
WORKPLACE HAZARD: Not hazardous under normal conditions of use.

TRANSPORTATION OF DANGEROUS GOODS (TDG)

PROPER SHIPPING NAME: Not TDG regulated.
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>LD₅₀ Oral-Rat</u> | <u>LC₅₀ Inhal-Rat</u> | <u>ACGIH-TLV</u> |
|-------------------|----------------|-------------------|---------------------------------|----------------------------------|------------------|
| Mineral oil | 70-80 | 64742-52-5 | Not available | Not available | Not available |
| Barium soap | 20-30 | 68201-19-4 | Not available | Not available | Not available |

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [XX] EYE CONTACT [XX] SKIN [] INHALATION [XX] INGESTION
EYE CONTACT: May cause slight transient irritation.
SKIN CONTACT: May cause slight transient irritation.
INGESTION: No effects known.
INHALATION: Not a likely source of contact during normal use.
CARCINOGENICITY: None of the ingredients in the compound are listed by NTP, IARC or OSHA as being carcinogenic.
TERATOGENICITY: No information available.

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| REPRODUCTIVE TOXICITY: | No information available. |
| MUTAGENICITY: | No ingredients listed as mutagenic. |
| SYNERGISTIC PRODUCTS: | No information available. |

SECTION IV: FIRST AID MEASURES

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| SKIN CONTACT: | Remove by wiping, or with a waterless hand cleaner. Wash with soap and water. Remove and launder contaminated clothing before re-use. |
| EYE CONTACT: | Immediately flush with gently flowing warm water until all residual material is removed. Remove contact lenses if present. Hold eyelids open to ensure thorough flushing. If irritation persists, obtain medical attention. |
| INGESTION: | Do not induce vomiting. Rinse mouth. Obtain immediate medical attention. Never give anything by mouth to an unconscious or convulsing victim. |
| INHALATION: | Move to fresh air. Apply oxygen or artificial respiration as required. If breathing difficulties or distress continues, obtain medical attention. |

SECTION V: PHYSICAL DATA

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| APPEARANCE AND ODOUR: | Brown paste; bland odour | |
| SPECIFIC GRAVITY: | 0.90 @ 16°C | |
| BOILING POINT (°C): | 371 | |
| MELTING POINT (°C): | 204 | |
| SOLUBILITY IN WATER: | Insoluble | pH: Not available |
| PERCENT VOLATILE BY VOLUME: | Not available | |
| EVAPORATION RATE: | Not available | |
| VAPOUR PRESSURE : | Not available | |
| VAPOUR DENSITY (air = 1): | Not available | |
| BULK DENSITY: | Not applicable | |

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

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| FLASH POINT: | 188°C |
| FLAMMABLE LIMITS: | Not available |
| EXTINGUISHING MEDIA: | Dry chemical, CO ₂ , foam or water spray. |
| SPECIAL FIRE FIGHTING PROCEDURES: | Self-contained breathing apparatus required for fire fighting personnel. Remove containers from fire area, or cool with water spray, if possible. |

**UNUSUAL FIRE AND
EXPLOSION HAZARDS:**

This product may burn under fire conditions.

SECTION VII: REACTIVITY DATA

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| STABILITY: | STABLE [XX] | UNSTABLE [] |
| INCOMPATIBILITY (CONDITIONS TO AVOID): | Strong oxidizers. Avoid heat, sparks and open flames. | |
| CONDITIONS OF REACTIVITY: | Contact with incompatibles or ignition sources. | |
| HAZARDOUS DECOMPOSITION PRODUCTS: | May release CO _x , smoke and irritating vapours when heated to decomposition. | |
| HAZARDOUS POLYMERIZATION: | WILL NOT OCCUR [XX] | MAY OCCUR [] |

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

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| RESPIRATORY PROTECTION: | Not required under normal conditions of use. |
| VENTILATION: | Not required under normal conditions of use. |
| PROTECTIVE GLOVES: | Suggest neoprene or viton. |
| EYE PROTECTION: | Safety glasses with side-shields if required. |
| OTHER PROTECTIVE EQUIPMENT (Specify): | Protective clothing as required to prevent contact. Ensure eyewash station and emergency shower are available. |

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact with skin and eyes. Avoid ingestion. Wash thoroughly before eating, drinking or smoking. Store in cool, dry area away from incompatibles and sources of ignition. Use caution when opening unvented containers. Use in well ventilated area. Store unused material in original container.

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

Use appropriate safety equipment. Eliminate ignition sources. Scoop up excess, then wipe down the affected area and pick up residual with diatomaceous earth to prevent slipping hazard. Place contaminated material and clean up materials in approved containers for disposal.

WASTE DISPOSAL METHOD

Dispose/incinerate 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. Dispose of, or recycle, empty containers 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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| DATE ISSUED: | December 20, 2005 | BY: | Product safety committee |
| SUPERSEDES: | March 31, 2003 | PHONE: | 780-440-4923 |