

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **January 15, 2009**
8750 – 53rd Ave. PHONE: 780-468-4064
Edmonton, AB T6E 5G2 FAX: 780-469-1899

PRODUCT NAME: **Hyperdrill AD855 AND AD859**

PRODUCT USE: Drilling additive
CHEMICAL FAMILY: Anionic water soluble polymer CAS # Mixture

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not controlled
WORKPLACE HAZARD: Spills produce extremely slippery surfaces

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>LD₅₀ Oral-Rat</u>	<u>LC₅₀ Inhal-Rat</u>	<u>ACGIH-TLV</u>
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This product contains no WHMIS controlled ingredients.

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [XX] EYE CONTACT [XX] SKIN [] INHALATION [XX] INGESTION
EYE CONTACT: May cause irritation and/or redness.
SKIN CONTACT: May cause skin irritation. Prolonged or repeated contact tends to remove skin oils possibly leading to irritation and dermatitis.
INGESTION: May cause nausea and vomiting. LD₅₀ Oral Rat > 5000 mg/kg.
INHALATION: Vapours or mists may irritate the upper respiratory tract and result in headache or dizziness.
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

SKIN CONTACT: Remove contaminated clothing, wash exposed area thoroughly with soap and water. If irritation persists, obtain medical attention.
EYE CONTACT: Immediately flush eyes with gently flowing warm water for 15 minutes, or until irritation ceases. If irritation persists, obtain medical attention.
INGESTION: No first aid should be required if small amount ingested. If large amount is ingested, or symptoms occur, obtain medical attention.
INHALATION: Move patient to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: Viscous milky white liquid; aliphatic odour
SPECIFIC GRAVITY: 1.04 – 1.06
BOILING POINT (°C): Not available
MELTING POINT (°C): Not available
SOLUBILITY IN WATER: Dispersible pH: 6 - 8 (@ 5 g/L)
PERCENT VOLATILE BY VOLUME: Not available
EVAPORATION RATE: Not available
VAPOUR PRESSURE (mmHg): 0.002 @ 20°C
VAPOUR DENSITY (air = 1): Not available
BULK DENSITY: Not applicable

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Does not flash.
FLAMMABLE LIMITS: Not available
EXTINGUISHING MEDIA: Water spray, foam, dry chemical, carbon dioxide.
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: Material becomes very slippery when contacted by water.

SECTION VII: REACTIVITY DATA

STABILITY:	STABLE [XX]	UNSTABLE []
INCOMPATIBILITY (CONDITIONS TO AVOID):	Oxidizing agents may cause exothermic reactions.	
CONDITIONS OF REACTIVITY:	Not available	
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may produce oxides of carbon and oxides of nitrogen.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR []

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

RESPIRATORY PROTECTION:	In case of insufficient ventilation and/or misty conditions, wear NIOSH approved organic filter respirator.
VENTILATION:	Natural ventilation is adequate in absence of mists. Use process enclosure, local exhaust ventilation or other engineering controls if misting occurs.
PROTECTIVE GLOVES:	Suggest rubber or viton.
EYE PROTECTION:	Suggest safety glasses with side-shields. Do not wear contact lenses.
OTHER PROTECTIVE EQUIPMENT (Specify):	Suggest rubber apron. Ensure eye wash station and safety shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid prolonged or repeated skin contact. Minimize breathing vapour or mist. Remove contaminated clothing; launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean before reuse. Cleanse skin thoroughly after contact, before breaks and meals and at end of work period. Store in cool and dry location away from incompatibles. Keep container closed when not in use. Protect from freezing. Freezing will affect the physical condition of the product and may damage the material. If frozen, the product should be allowed to thaw completely and be thoroughly mixed before use. This product should be stored in a heated building at a temperature of 0-30°C. When stored under these conditions the product has a shelf life of approximately six (6) months. Ensure that stock is rotated.

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

Wear appropriate safety equipment. Stop leak if able to do so without risk. Dike to prevent spread of material. Collect liquid waste by vacuum to place in an approved container for disposal. Soak up remaining spill and small spills with absorbent material. Collect contaminated absorbent in an approved container for disposal. Wash spill site after material pickup with soap and water.

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. Empty containers must be disposed of, or recycled, 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.

DATE ISSUED:	January 15, 2009	BY:	Product safety committee
SUPERSEDES:	July 14, 2006	PHONE:	780-440-4923

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