

# MATERIAL SAFETY DATA SHEET

## SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **December 19, 2008**  
**8750 – 53<sup>rd</sup> Ave.** PHONE: 780-468-4064  
**Edmonton, AB T6E 5G2** FAX: 780-469-1899

PRODUCT NAME: **Aqua Star EX**

PRODUCT USE: Fluid loss additive for oilwell drilling mud.  
CHEMICAL FAMILY: Sodium carboxymethyl starch CAS # 9063-38-1

## 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>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 irritation.  
SKIN CONTACT: No evidence of harmful effects from available information.  
INGESTION: No evidence of harmful effects from available information.  
INHALATION: May cause irritation. No evidence of harmful effects from available information.  
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: Wash with soap and water. If irritation develops, seek medical attention.

EYE CONTACT: Flush thoroughly with water until irritation ceases. Hold eyelids open to ensure thorough flushing. If irritation persists, seek medical attention.

INGESTION: Do not induce vomiting. Give 1 - 2 glasses of water. If irritation persists, obtain medical attention. Do not give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: Remove to fresh air. Apply oxygen or artificial respiration if required. Seek medical attention if symptoms develop.

#### SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Off-white powder; no odour
SPECIFIC GRAVITY:	>1.0
BOILING POINT (°C):	Not available
MELTING POINT (°C):	Not available
SOLUBILITY IN WATER:	100% pH: Not available
PERCENT VOLATILE BY VOLUME:	<15% (water)
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 applicable

FLAMMABLE LIMITS: Not applicable

EXTINGUISHING MEDIA: Use alcohol based or all-purpose foam for large fires. Use CO<sub>2</sub> 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: As with most organic powders, dust/air mixtures have the potential to explode. Avoid dispersion of dust in air to reduce potential for dust ignition and/or explosions.

**SECTION VII: REACTIVITY DATA**

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid contact with strong oxidizers. Avoid handling in area where sparks or open flames are present.	
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**

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 open flames. Avoid contact with eyes. Wash thoroughly after handling. Launder contaminated clothing before reuse. Avoid dispersion of dust in air to reduce potential for dust ignition/explosion. Handle in properly bonded and grounded, electrically conductive equipment. 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.

### WASTE DISPOSAL METHOD

Dispose in accordance with federal, provincial and local regulations. This product, if uncontaminated, can be land-filled in most areas; check with local operator. 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 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.

DATE ISSUED:	December 19, 2008	BY:	Product safety committee
SUPERSEDES:	January 6, 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.**