

# MATERIAL SAFETY DATA SHEET

## SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **Dec. 19, 2008**  
**8750 – 53<sup>rd</sup> Ave.** PHONE: 780-468-4064  
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PRODUCT NAME: **550X POLYMER**

PRODUCT USE: Drilling mud additive.  
CHEMICAL FAMILY: Anionic water soluble polymer CAS#: Not available

## 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>PERCENT</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>
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Contains no WHMIS controlled ingredients.

## SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [ ] EYE CONTACT [ ] SKIN [ ] INHALATION [ ] INGESTION  
EYE CONTACT: May cause slight irritation and/or redness.  
SKIN CONTACT: May cause slight irritation some cases.  
INGESTION: No effects expected.  
INHALATION: May cause irritation of the respiratory tract, including sneezing and coughing.  
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 thoroughly with soap and water. If irritation develops or persists, obtain medical attention.

**EYE CONTACT:** Flush with gently flowing warm water until irritation subsides. If irritation persists, obtain medical attention.

**INGESTION:** This product is not considered toxic based on studies on lab animals. Do not induce vomiting. Give 2-3 glasses of water. If symptoms occur, obtain medical attention.

**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**

<b>APPEARANCE AND ODOUR:</b>	White granular powder; no odour
<b>SPECIFIC GRAVITY:</b>	Not available
<b>BOILING POINT (°C):</b>	Not available
<b>MELTING POINT (°C):</b>	Not available
<b>SOLUBILITY IN WATER:</b>	Soluble
<b>PERCENT VOLATILE BY VOLUME:</b>	Not available
<b>EVAPORATION RATE:</b>	Not available
<b>VAPOUR PRESSURE (mmHg):</b>	Not available
<b>VAPOUR DENSITY (air = 1):</b>	Not available
<b>BULK DENSITY:</b>	Not available

pH: 4-9 (@ 5 g/L)

**SECTION VI: FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT:</b>	Not applicable
<b>FLAMMABLE LIMITS:</b>	Not applicable
<b>EXTINGUISHING MEDIA:</b>	Carbon dioxide, dry chemical, foam, in preference to a water spray.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Self contained breathing apparatus required for fire fighting personnel. Move containers from fire area if possible.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	As with most organic powders, flammable dust clouds may be formed in air. Avoid creating dust. Avoid sources of ignition. Product is extremely slippery when wet.

**SECTION VII: REACTIVITY DATA**

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid contact with strong oxidizers. Avoid wet, damp or humid conditions, extremes of temperature, and ignition sources.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and nitrogen, various hydrocarbons, and/or ammonia upon combustion	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

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

RESPIRATORY PROTECTION:	Use approved dust mask in absence of adequate ventilation. Use approved respirators with dust cartridges if TLV is exceeded.
VENTILATION:	Use in well-ventilated area, or use local exhaust ventilation, process enclosure or other engineering controls to maintain dust level below TLV.
PROTECTIVE GLOVES:	Use gloves, if needed, to avoid prolonged or repeated skin contact.
EYE PROTECTION:	Use safety glasses or goggles.
OTHER PROTECTIVE EQUIPMENT (Specify):	As necessary to prevent contact. Ensure eyewash station and emergency shower are available.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Avoid prolonged or repeated breathing of dust and contact with skin. Remove contaminated clothing; launder or dry-clean before reuse. Cleanse skin thoroughly after contact, before breaks and meals and at end of work period. Product is readily removed from skin by washing thoroughly with soap and water. Store in a cool, dry location away from incompatibles. Store in original container.

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

Use appropriate safety equipment. Sweep up dry material and flush spill area with water. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal. Scrub spill area with dry absorbent and then flush residue with water to eliminate slip hazard. Absorb spills of dilute solutions with inert absorbent. Collect in approved containers for disposal. The product or its solutions should not be allowed to enter waterways without treatment. Spilled solutions can create a hazard because of their slippery nature.

### 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. It may be possible to dispose of spills of non-hazardous materials in a landfill; check with local operator.

### SECTION IX: PREPARATION

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH,  
BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

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SUPERSEDES: January 3, 2006

BY: Product safety committee

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