

# MATERIAL SAFETY DATA SHEET

## SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **June 17, 2008**  
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PRODUCT NAME: **Stardril**

PRODUCT USE: Filter control additive for drilling and completion fluids.  
CHEMICAL FAMILY: Modified polysaccharide 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>
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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 mechanical irritation.  
SKIN CONTACT: No adverse effects expected.  
INGESTION: No adverse effects expected.  
INHALATION: High concentrations of dust may cause upper respiratory tract irritation.  
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: Immediately flush skin with plenty of soap and water. Remove contaminated clothing. If irritation develops obtain medical attention.

EYE CONTACT: Flush with gently flowing warm water for 15 minutes or until irritation ceases. Obtain medical attention when flushing is completed.

INGESTION: Drink two to three glasses of water. Obtain medical attention.

INHALATION: Move 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:	Off-white powder; slight odour
SPECIFIC GRAVITY:	Not available
BOILING POINT (°C):	Not available
MELTING POINT (°C):	Not available
SOLUBILITY IN WATER:	Complete                      pH: 10-11 (4% sol'n)
PERCENT VOLATILE BY VOLUME:	Not available
EVAPORATION RATE:	Not applicable
VAPOUR PRESSURE (mmHg):	Not applicable
VAPOUR DENSITY (air = 1):	Not applicable
BULK DENSITY:	30 – 40 lb/ft <sup>3</sup>

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

FLASH POINT: Not applicable

FLAMMABLE LIMITS: Not applicable

EXTINGUISHING MEDIA: Use media suitable for surrounding material and packages.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus required for fire fighting personnel. Remove containers from fire area if possible.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust-air mixtures may be explosive. The minimum ignition temperature reported, through a 200 mesh sieve, is 380°C. The minimum explosive concentration of a dust cloud is 0.04 oz/ft<sup>3</sup>. Avoid open lights, flames, welding and spark producing sources.

**SECTION VII: REACTIVITY DATA**

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing agents. Damp or wet conditions will lead to spoilage.	
CONDITIONS OF REACTIVITY:	Not available.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

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

RESPIRATORY PROTECTION:	Suggest NIOSH approved dust mask for concentrations below TLV. Use respirators with dust cartridges or SCBA as required for higher concentrations.
VENTILATION:	Use local exhaust ventilation, process enclosure or other engineering controls to keep airborne concentration below exposure limits.
PROTECTIVE GLOVES:	Rubber gloves recommended.
EYE PROTECTION:	Suggest chemical goggles; nuisance dust.
OTHER PROTECTIVE EQUIPMENT (Specify):	Full body covering clothing recommended to prevent contact. Ensure eye wash station and emergency shower are available.

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

Practice reasonable caution and personal cleanliness. Avoid skin and eye contact, ingestion and inhalation. Wash thoroughly after contacting. Launder contaminated clothing before reuse. Store in sealed containers in a cool, dry area. Avoid creating dust clouds when using. Avoid getting wet as material is very slippery.

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

Use appropriate safety equipment and personnel protective equipment. Vacuum or sweep-up if dry. If wet, pick up with dry material such as sand or dirt. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal.

**WASTE DISPOSAL METHOD**

Dispose of 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.

**SECTION IX: PREPARATION**

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

DATE ISSUED: June 17, 2008 BY: Product safety committee  
SUPERSEDES: August 15, 2005 PHONE: 780-440-4923

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