



SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **May 14, 2014**
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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; dust explosion hazard.

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

INGREDIENT	% (w/w)	CAS NUMBER	LD ₅₀ Oral-Rat	LC ₅₀ Inhal-Rat	ACGIH-TLV
Contains no WHMIS controlled ingredients.					

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: D EYE CONTACT D SKIN CONTACT D INHALATION D 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 ³

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 ³ . Avoid open lights, flames, welding and spark producing sources.
HAZARDOUS COMBUSTION PRODUCTS:	No information available.

SECTION VII: REACTIVITY DATA

STABILITY:	<input type="checkbox"/> STABLE	<input type="checkbox"/> D UNSTABLE
INCOMPATIBILITY (CONDITIONS TO AVOID): lead to spoilage.	Strong oxidizing agents. Damp or wet conditions will	
CONDITIONS OF REACTIVITY:	Not available.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon.	
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> WILL NOT OCCUR	<input type="checkbox"/> D MAY OCCUR

SECTION VIII: PREVENTIVE 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 contains herein is given in good faith, but no warranty, expressed or implied, is made.

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