



SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **November 20, 2015**
8750 – 53rd Ave. PHONE: **780-440-4923**
Edmonton, AB T6E 5G2 FAX: **780-469-1899**

PRODUCT NAME: **DRISPAC REGULAR and SUPERLO POLYMER**

PRODUCT USE: Oilwell drilling fluid additive
 CHEMICAL FAMILY: Cellulostic polymer CAS #: Not available

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not a controlled product under WHMIS
 WORKPLACE HAZARD: Combustible 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

INGREDIENT	% (w/w)	CAS NUMBER	LD ₅₀ Oral-Rat	LC ₅₀ Inhal-Rat	ACGIH-TLV
Sodium carboxymethylcellulose	100	9004-32-4	27,000 mg/kg	>5800 mg/m ³ /hr	Not established

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: EYE CONTACT SKIN CONTACT INHALATION INGESTION

EYE CONTACT: Not expected to cause prolonged or significant irritation. May cause mechanical irritation.

SKIN CONTACT: Not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.

INGESTION: Not expected to be harmful if ingested. No chronic effects have been noted.

INHALATION: Non-irritating to mucous membranes, however, breathing high concentrations of the dust may cause mechanical irritation of the nose, throat, and upper respiratory tract. Long-term exposure to high dust concentrations may cause nondebilitating lung changes.

CARCINOGENICITY: No information available.
 TERATOGENICITY: No information available.
 REPRODUCTIVE TOXICITY: No information available.
 MUTAGENICITY: No information available.

DRISPAC REGULAR AND SUPERLO POLYMER

SYNERGISTIC PRODUCTS: No information available.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Flush eyes with gently flowing warm water for 15 minutes, or until irritation ceases. If irritation persists, or adverse symptoms develop, obtain medical attention.

EYE CONTACT: Wash with soap and water. If symptoms develop, obtain medical attention.

INGESTION: Do not induce vomiting. Give patient one glass of water or milk and obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues, seek medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: White to off-white powder; odourless

SPECIFIC GRAVITY: Not available

BOILING POINT (°C): Not applicable

MELTING POINT (°C): Not applicable

SOLUBILITY IN WATER: Complete pH: Not available

PERCENT VOLATILE BY VOLUME: Negligible

EVAPORATION RATE: Not applicable

VAPOUR PRESSURE (mmHg): Not applicable

VAPOUR DENSITY (air = 1): Not applicable

BULK DENSITY: 1.5 g/cm³ @ 20°C

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not applicable

FLAMMABLE LIMITS: Not established

EXTINGUISHING MEDIA: Water spray or fog, dry chemical, foam, CO₂.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus required for fire-fighting personnel.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Airborne dust concentrations above 20 mg/L may create a dust explosion hazard.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.

SECTION VII: REACTIVITY DATA

STABILITY: STABLE UNSTABLE

INCOMPATIBILITY (CONDITIONS TO AVOID): Not established

CONDITIONS OF REACTIVITY: Not established

DRISPAC REGULAR AND SUPERLO POLYMER

HAZARDOUS DECOMPOSITION PRODUCTS: Not available.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR MAY OCCUR

SECTION VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not generally required unless needed to prevent respiratory irritation. For concentrations exceeding the recommended exposure limit, use NIOSH approved air-purifying respirator with dust/mist cartridges. ACGIH TLV= 10 mg/m³ total dust.

VENTILATION: Use adequate ventilation to control concentration below recommended exposure limits.

PROTECTIVE GLOVES: Suggest gloves to protect skin from repeated exposure.

EYE PROTECTION: Use safety glasses with side shields, or goggles.

OTHER PROTECTIVE EQUIPMENT (SPECIFY): Ensure eye wash station and emergency shower are available

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact with eyes, skin or clothing. Avoid breathing dust. Wash thoroughly after handling. Wear protective equipment and/or garments. Launder contaminated clothing before reuse. Store in a cool, dry area in sealed containers or bags. Keep containers closed. Avoid dust generation during use.

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

Evacuate area of all unnecessary personnel. Contain spill. Sweep up spill. Avoid dust generation. Collect uncontaminated material for repacking. Collect contaminated material in approved containers for disposal. Material becomes very slippery when wet. Use protective equipment and/or garments.

WASTE DISPOSAL METHOD

Dispose in accordance with federal, provincial and local regulations. Uncontaminated product may be suitable for disposal in landfill; 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.

DRISPAC REGULAR AND SUPERLO POLYMER

SECTION IX: PREPARATION

The information contains herein is given in good faith, but no warranty, expressed or implied, is made.

DATE ISSUED: **November 20, 2015**
SUPERSEDES: **December 4, 2012**
BY: Regulatory Affairs
PHONE: 780-440-4923