

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **November 10, 2014**
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PRODUCT NAME: **Hyperdrill CP 900 Series**
HYPERDRILL CP 905H
HYPERDRILL CP 911
HYPERDRILL CP944

PRODUCT USE: Oilwell drilling fluid additive.
CHEMICAL FAMILY: Cationic polyacrylamide CAS #: Not available

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not WHMIS controlled
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

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: EYE CONTACT SKIN CONTACT INHALATION INGESTION

EYE CONTACT: Particles may cause mechanical irritation.

SKIN CONTACT: No effects expected. Prolonged or repeated exposure may cause irritation in some people.

INGESTION: No effects expected. LD₅₀ Oral-Rat > 5000 mg/kg.

INHALATION: No effects expected. Exposure to high levels of dust may cause upper respiratory tract irritation including coughing and sneezing.

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:	Flush thoroughly with water. If irritation develops, or persists, consult a physician.
EYE CONTACT:	Flush with gently flowing warm water until irritation ceases. Hold eyelids open and roll eyeball to dislodge particles. If irritation persists obtain medical attention.
INGESTION:	Do not induce vomiting. If patient is fully conscious give 2 to 4 glasses of water. If symptoms develop seek medical attention. Never give anything by mouth to an unconscious or convulsing victim.
INHALATION:	Move patient to fresh air. Apply oxygen or artificial respiration as required. If breathing difficulties or distress continues obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	White granular powder; odourless
SPECIFIC GRAVITY:	Not available
BOILING POINT (°C):	Not available
MELTING POINT (°C):	Not available
SOLUBILITY IN WATER:	Soluble
PERCENT VOLATILE BY VOLUME:	Not applicable
EVAPORATION RATE:	Not applicable
VAPOUR PRESSURE (mmHg):	Not applicable
VAPOUR DENSITY (air = 1):	Not applicable
BULK DENSITY:	See Product Data Sheet for specific product.
	pH: 2.5-4.5 (0.5% sol'n)

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Not applicable
FLAMMABLE LIMITS:	Not applicable
EXTINGUISHING MEDIA:	Use dry chemical, CO ₂ , foam or water spray. This material becomes very slippery when wet; avoid use of water as firefighting media if possible.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire-fighting personnel. Move containers from fire area if possible.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	As with most organic powders, flammable dust clouds may be formed in air. Avoid creating dust. Avoid sources of ignition.
HAZARDOUS COMBUSTION PRODUCTS:	No information available.

SECTION VII: REACTIVITY DATA

STABILITY:	<input checked="" type="checkbox"/> STABLE	<input type="checkbox"/> UNSTABLE
INCOMPATIBILITY (CONDITIONS TO AVOID):	Oxidizing agents may cause exothermic reactions. Avoid high temperatures, open flames, sparks and all other sources of ignition.	
CONDITIONS OF REACTIVITY:	Not available.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may produce oxides of carbon and oxides of nitrogen.	
HAZARDOUS POLYMERIZATION:	<input checked="" type="checkbox"/> WILL NOT OCCUR	<input type="checkbox"/> MAY OCCUR

SECTION VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Use dust mask if handling in bulk to prevent inhalation of airborne particles.
VENTILATION:	If high dusting occurs, use process enclosure, local exhaust ventilation or other engineering controls to reduce occupational exposure.
PROTECTIVE GLOVES:	Recommend leather.
EYE PROTECTION:	Safety glasses with side shields recommended. Do not wear contact lenses.
OTHER PROTECTIVE EQUIPMENT (SPECIFY):	As necessary to prevent contact. Ensure eye-wash 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 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 area away from ignition sources. When stored under these conditions, the product has a shelf life of at least one year. Storage of solutions in stainless steel, plastic or epoxy-lined tanks are recommended. Iron, aluminum or copper are to be avoided in both storage and feeding equipment.

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

Use appropriate safety equipment. Do not flush with water. Clean up by shovel or vacuum. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. After cleaning; wash spill area thoroughly with bleach solution. Avoid creating dust clouds when cleaning up spilled material.

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.

SECTION IX: PREPARATION

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

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