

**SECTION I: IDENTIFICATION OF PRODUCT**

COMPANY: **Diversity Technologies Corp.** DATE: **March 2, 2018**  
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PRODUCT NAME: **Hyperfloc NF Series**  
 HYPERFLOC NF 201  
 HYPERFLOC NF301H

PRODUCT USE: Oilwell drilling fluid additive.  
 CHEMICAL FAMILY: Nonionic 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 <sub>50</sub> Oral-Rat	LC <sub>50</sub> 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. LD<sub>50</sub> 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. 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 if patient is unconscious, rapidly losing consciousness or convulsing.
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:	Not available
	pH: 5.0 - 8.0 (0.5% sol'n)

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

FLASH POINT:	Not applicable
FLAMMABLE LIMITS:	Not applicable
EXTINGUISHING MEDIA:	Use media suitable for surrounding materials and packaging.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire-fighting personnel. Move containers from fire area if possible. This material becomes very slippery when wet; avoid use of water as fire-fighting media.
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:	Oxides of carbon; oxides of nitrogen.

**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:	Not available	
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**

Dust generated in handling of this product can be explosive if sufficient quantities are mixed in air in which case ignition sources should be avoided. 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 area away from incompatible materials and ignition sources.

**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 for disposal in an approved container. After cleaning; wash spill area thoroughly with water. 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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