

# MATERIAL SAFETY DATA SHEET

## SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **June 23, 2009**  
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PRODUCT NAME: **Staflo Regular**

PRODUCT USE: Oil-well drilling fluid additive  
CHEMICAL FAMILY: Sodium carboxymethylcellulose CAS #: 9004-32-4

## 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>
Contains no hazardous ingredients.					

## SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY:  EYE CONTACT  SKIN  INHALATION  INGESTION  
EYE CONTACT: May cause mild mechanical irritation.  
SKIN CONTACT: No effects expected.  
INGESTION: No effects expected.  
INHALATION: High dust concentrations may cause coughing and sneezing.  
CARCINOGENICITY: No information available.  
TERATOGENICITY: No information available.  
REPRODUCTIVE: No information available.  
TOXICITY:  
MUTAGENICITY: No information available.

SYNERGISTIC PRODUCTS: No information available.

#### SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Wash with soap and water. If irritation develops obtain medical attention.

EYE CONTACT: Flush with gently flowing warm water until particles are removed. If irritation persists obtain medical attention.

INGESTION: If victim is fully conscious, rinse mouth then give 1 to 2 glasses of water. If symptoms develop 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 as required. If breathing difficulties or distress continues obtain medical attention.

#### SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Free flowing white powder; no odour
SPECIFIC GRAVITY:	Not available
BOILING POINT (°C):	Not applicable
MELTING POINT (°C):	Not applicable
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:	300-900 kg/m <sup>3</sup>
	pH: 6.0 - 8.5 (1% sol'n)

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

FLASH POINT: Not applicable

FLAMMABLE LIMITS: Not applicable

EXTINGUISHING MEDIA: Water spray, foam, dry chemical or CO<sub>2</sub>.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus required for fire fighting personnel. Material becomes slippery when contacted with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust/air mixtures may ignite violently upon exposure to sparks or sources of ignition.

**SECTION VII: REACTIVITY DATA**

STABILITY:	STABLE [XX]	UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	No listed incompatible materials. Avoid dust generation.	
CONDITIONS OF REACTIVITY:	None known.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and hydrocarbons upon combustion.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR [ ]

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

RESPIRATORY PROTECTION:	Suggest approved dust mask; nuisance dust. Use approved respirator with dust cartridges if level of airborne dust exceeds TLV.
VENTILATION:	Use in well-ventilated area. Use local exhaust ventilation, process enclosure or other engineering controls to maintain level of airborne dust below TLV.
PROTECTIVE GLOVES:	Not required.
EYE PROTECTION:	Suggest goggles or safety glasses with side-shields; nuisance dust.
OTHER PROTECTIVE EQUIPMENT (Specify):	Ensure eyewash station and emergency shower available when handling chemicals.

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

Handle in well ventilated areas. Avoid dust generation. Practice good hygiene. Store in original container. Store in cool, dry area (hygroscopic).

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

Use appropriate safety equipment. Eliminate ignition sources. Vacuum or sweep-up if dry. If wet, pick up with dry material such as sand or dirt. Avoid flushing with water as material becomes slippery. Non-sparking tools should be used as dust/air mixtures may explode violently. Collect uncontaminated material in approved containers for disposal.

**WASTE DISPOSAL METHOD**

Dispose in accordance with federal, provincial and local regulations. Uncontaminated material may be sent to 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. Empty packaging must be disposed of, or recycled, in accordance with local regulations.

**SECTION IX: PREPARATION**

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

DATE ISSUED: June 23, 2009 BY: Product safety committee  
SUPERSEDES: June 26, 2006 PHONE: 780-440-4923

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