



# STAFLO REGULAR

## SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **June 24, 2015**  
**8750 .53<sup>rd</sup> Ave.** PHONE: **780-440-4923**  
**Edmonton, AB T6E 5G2** FAX: **780-469-1899**

PRODUCT NAME: **Staflo Regular**

PRODUCT USE: Oilwell 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; 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 <sub>50</sub> Oral-Rat	LC <sub>50</sub> Inhal-Rat	ACGIH-TLV
Contains no hazardous ingredients.					

## SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: D EYE CONTACT D SKIN CONTACT D INHALATION D 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 TOXICITY: No information available.  
 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.
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon.

## SECTION VII: REACTIVITY DATA

STABILITY:	<input type="checkbox"/> STABLE	<input type="checkbox"/> D UNSTABLE
INCOMPATIBILITY (CONDITIONS TO AVOID):	No listed incompatible materials. Avoid dust generation.	
CONDITIONS OF REACTIVITY:	None known.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Not available.	
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> WILL NOT OCCUR	<input type="checkbox"/> D MAY OCCUR

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

DATE ISSUED:	<b>June 24, 2015</b>
SUPERSEDES:	June 21, 2012
BY:	Regulatory Affairs
PHONE:	780-440-4923