

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF PRODUCT

COMPANY: Diversity Technologies Corp. DATE: March 13, 2016
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PRODUCT NAME: DRILSTAR HT

PRODUCT USE: Oil well fluid additive
CHEMICAL FAMILY: Pregelatinized starch CAS#: 9005-25-8

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

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

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	PERCENT	CAS NUMBER	LD ₅₀ Oral-Rat	LD ₅₀ Inhal-Rat	ACGIH-TLV
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No hazardous ingredients

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [XX] EYE CONTACT [XX] SKIN [XX] INHALATION [XX] INGESTION
EYE CONTACT: May cause mechanical irritation.
SKIN CONTACT: No effects expected.
INGESTION: No effects expected.
INHALATION: May cause irritation to upper respiratory tract. Symptoms include coughing and sneezing.
CARCINOGENICTY: Not available
TERATOGENICITY: Not available
REPRODUCTIVE: Not available
TOXICITY:
MUTAGENICTY: Not available

SYNERGISTIC PRODUCTS: Not available

SECTION IV: FIRST AID MEASURES

EYE CONTACT: Flush eyes with water for 15 minutes or until irritation subside. If irritation persists seek medical attention.
SKIN CONTACT: Wash skin with soap and water.
INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Seek medical attention. Never give anything by mouth to an unconscious or convulsing victim.
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:	White powder	
SPECIFIC GRAVITY:	Not available	
BOILING POINT (C):	Not applicable	
MELTING POINT (C):	Not applicable	
SOLUBILITY IN WATER:	Appreciable	pH: (4% Sol): 5.0- 7.0
PERCENT VOLATILE BY VOLUME:	Not applicable	
EVAPORATION RATE:	Not applicable	
VAPOUR PRESSURE (mmHg):	Not applicable	
VAPOUR DENSITY (air= 1)	32-35	
BULK DENSITY:	Not available	

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Not applicable
FLAMMABLE LIMITS:	Not applicable
EXTINGUISHING MEDIA:	Water, foam, dry powder, CO ₂
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire fighting personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Dust-air mixture may be explosive. The minimum ignition temperature reported for starch, through 200 mesh, is 380C. The minimum explosive concentration of a dust cloud is 0.04 oz/ft ³ . Avoid ignition sources.

SECTION VII: REACTIVITY DATA

STABILITY:	STABLE [XX]	UNSTABLE[]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing agents. Avoid creating dust clouds in presence of ignition sources.	
CONDITIONS OF REACTIVITY:	Contact with incompatible materials; dust clouds in the presence of ignition sources.	

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon upon combustion.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR [XX] MAY OCCUR[]

SECTION VIII: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Suggest NIOSH/MESA approved dust mask if dust is present at levels below TLV. Use approved respirator with dust cartridges if level of airborne dust exceeds TLV.

VENTILATION: 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 safety glasses or goggles.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Practice reasonable caution and personal cleanliness. Avoid ingestion. Do not breathe dust. Avoid skin and eye contact. Avoid practices, which produce dust. Store away in cool, dry area away from incompatible materials and ignition sources. Keep container tightly closed when not in use. This product is very slippery when wet.

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

Use appropriate safety equipment. Vacuum or sweep up in a manner, which does not create dust clouds. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Flush spill area thoroughly with water. Clean up as much dry material as possible then flush spill area with copious quantities of water.

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 CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NOWARRANTY EXPRESSED OR IMPLIED, IS MADE.

DATE ISSUED: March 13, 2016
SUPERSEDES: March 24, 2013

BY: Product Safety Committee