

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **March 7, 2007**
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PRODUCT NAME: **Guar Gum HP 4501P & Guar Gum HP 4501P (SV)**

PRODUCT USE: Mining reagent & oil-well drilling fluid additive.
CHEMICAL FAMILY: Galactomannan CAS # 9000-30-0

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>LD₅₀Oral-Rat</u>	<u>LC₅₀Inhal-Rat</u>	<u>ACGIH-TLV</u>
Contains no WHMIS controlled ingredients.					

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [] EYE CONTACT [] SKIN [XX] INHALATION [] INGESTION
EYE CONTACT: Dust may cause mechanical irritation.
SKIN CONTACT: None expected.
INGESTION: None expected.
INHALATION: Inhaling dust may cause mild irritation of upper respiratory tract.
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. Material will become slippery and swell on contact with water.

EYE CONTACT: Flush with gently flowing warm water until particles are removed. Remove any contact lenses to assure thorough flushing. If irritation persists obtain medical attention.

INGESTION: No serious side effects expected. If symptoms develop obtain medical attention.

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; odourless		
SPECIFIC GRAVITY:	0.68		
BOILING POINT (°C):	Not applicable		
MELTING POINT (°C):	Not applicable		
SOLUBILITY IN WATER:	Forms colloidal suspension	pH:	5 – 6.5
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		

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Not applicable
FLAMMABLE LIMITS:	Not determined
EXTINGUISHING MEDIA:	Use dry chemical, foam, CO ₂ , or water spray.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire fighting personnel. Material becomes slippery when wet.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Material is organic and may form explosive dust-air mixtures in the presence of ignition sources.

SECTION VII: REACTIVITY DATA

STABILITY:	STABLE [XX]	UNSTABLE []
INCOMPATIBILITY (CONDITIONS TO AVOID):	None known.	
CONDITIONS OF REACTIVITY:	Not known	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon on combustion.	
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]	MAY OCCUR []

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

RESPIRATORY PROTECTION:	Suggest dust mask; nuisance dust. Use approved respirator with dust cartridges if level of airborne dust exceeds TLV.
VENTILATION:	No special requirements. Use local exhaust ventilation, process enclosure or other engineering controls as required to maintain level of airborne dust below TLV.
PROTECTIVE GLOVES:	Not required.
EYE PROTECTION:	Suggest goggles; nuisance dust.
OTHER PROTECTIVE EQUIPMENT (Specify):	Ensure emergency eye wash station and safety shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Store in sealed containers in a dry place away from heat and sunlight. **WARNING:** Static charges generated by emptying package in or near flammable vapours may cause flash fire. May form flammable dust-air mixtures. Avoid ignition sources such as sparks and flame. Ground all equipment. In addition, when emptying bags where flammable vapours may be present, blanket vessel with inert gas, ground operator, and pour material slowly into conductive, grounded chute. For bulk bags of 1000 kg or greater a grounding cable must be attached to the bag ground connection.

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

Use appropriate safety equipment. 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. Collect uncontaminated material for repackaging. Collect contaminated material for disposal in an approved container for disposal.

WASTE DISPOSAL METHOD

Dispose in accordance with federal, provincial and local regulations. Landfill is suggested. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Empty packages 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:	March 7, 2007	BY:	Product safety committee
SUPERSEDES:	March 27, 2004	PHONE:	780-440-4923

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