

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **February 9, 2016**
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PRODUCT NAME: **GLASS BEADS (Fine, Medium & Coarse)**

PRODUCT USE: Oilwell drilling fluid additive.
 CHEMICAL FAMILY: Glass oxide CAS #: 65997-17-3

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

INGREDIENT	% (w/w)	CAS NUMBER	LD ₅₀ Oral-Rat	LC ₅₀ Inhal-Rat	ACGIH-TLV
Contains no WHMIS controlled ingredients.					

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: EYE CONTACT SKIN CONTACT INHALATION INGESTION
 EYE CONTACT: Mechanical irritant. **If used for abrasive blasting, this material can rebound or fragment into sharp particles, which are hazardous to the eyes.**
 SKIN CONTACT: Will tend to dry skin from dust absorbing surface oils. **When used for abrasive blasting, this material can rebound or fragment into sharp particles, which are hazardous to the skin.**
 INGESTION: No toxic effects expected.
 INHALATION: Repeated or prolonged inhalation of dust in excess of permissible exposure limits may result in irritation of the respiratory tract. Chronic respiratory conditions may be aggravated by exposure to high concentrations of dust. **When used for abrasive blasting, this material can rebound or fragment into respirable particles and can generate hazardous air contaminant from the material being blasted.**
 CARCINOGENICITY: Not listed by OSHA, NTP or IARC.

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 water. If irritation develops and persists obtain medical attention.

EYE CONTACT: Flush with gently flowing warm water until particle(s) is removed. If irritation persists, Obtain medical attention.

INGESTION: No toxic effects expected. If symptoms develop, obtain medical attention.

INHALATION: Move patient from dusty area. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: White / off-white granules; odourless

SPECIFIC GRAVITY: 2.3 - 2.5

BOILING POINT (°C): Not available

MELTING POINT (°C): ~730

SOLUBILITY IN WATER: Insoluble pH: Not applicable

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 flammable

FLAMMABLE LIMITS: Not applicable

EXTINGUISHING MEDIA: Will not support combustion.

SPECIAL FIRE FIGHTING PROCEDURES: Use media suitable for surrounding materials and packaging.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

HAZARDOUS COMBUSTION PRODUCTS: No information available.

SECTION VII: REACTIVITY DATA

STABILITY:	<input checked="" type="checkbox"/> STABLE	<input type="checkbox"/> UNSTABLE
INCOMPATIBILITY (CONDITIONS TO AVOID):	Hydrofluoric, fluorosilicic and phosphoric acids, and hot strong alkaline solutions.	
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:	Suggest dust mask for general use. Recommend an approved respirator with dust cartridges be worn if concentration of airborne dust exceeds TLV.
VENTILATION:	General mechanical sufficient for general use. Use engineering controls to maintain dust level below TLV (15 mg/m ³).
PROTECTIVE GLOVES:	Not required.
EYE PROTECTION:	Suggest safety glasses.
OTHER PROTECTIVE EQUIPMENT (SPECIFY):	Ensure eye wash station and safety shower are available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Use good industrial hygiene practices. Wash thoroughly after handling. Avoid creating dust when transferring material. Store in a cool, dry area away from incompatible materials.

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

Use appropriate safety equipment. Spilled material is extremely slippery. Vacuum or sweep up. 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. This material can be landfilled in most locations; 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.

SECTION IX: PREPARATION

The information contains herein is given in good faith, but no warranty, expressed or implied, is made.

DATE ISSUED: **February 9, 2016**
SUPERSEDES: **February 15, 2013**
BY: Regulatory Affairs
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