

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **January 19, 2015**
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PRODUCT NAME: **Gypsum**

PRODUCT USE: Land Reclamation; drilling fluid additive
CHEMICAL FAMILY: Inorganic calcium salt CAS #: 7778-18-9

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	% (w/w)	CAS NUMBER	LD ₅₀ Oral-Rat	LC ₅₀ Inhal-Rat	ACGIH-TLV
Calcium sulfate	70-100	7778-18-9	Not available	Not available	10 mg/m ³

Small amounts (less than reportable quantities) of respirable crystalline silica are present in this product.

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: EYE CONTACT SKIN CONTACT INHALATION INGESTION
EYE CONTACT: May cause mechanical irritation.
SKIN CONTACT: Prolonged contact may cause skin irritation.
INGESTION: No toxic effects expected. Gypsum will absorb moisture and clumps may form and create blockages in the stomach.
INHALATION: Gypsum will absorb moisture quickly causing clumps in the nasal passages and upper respiratory tract.
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:	Remove contaminated clothing and wash exposed area thoroughly with soap and water.
EYE CONTACT:	Flush with gently flowing warm water for 5 minutes or until irritation ceases. If irritation persists obtain medical attention.
INGESTION:	Do not induce vomiting. Rinse mouth with water. Have victim drink 8 to 10 oz of water to dilute material. If irritation or discomfort occurs, 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:	Light grey powder; odourless
SPECIFIC GRAVITY:	2.96
BOILING POINT (°C):	Not applicable (decomposes)
MELTING POINT (°C):	1559
SOLUBILITY IN WATER:	0.262 g/100 mL pH: Not available
PERCENT VOLATILE BY VOLUME:	0
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 determined
EXTINGUISHING MEDIA:	Use media appropriate for packaging and surrounding materials.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire-fighting personnel. Move containers from fire area if possible.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None known. Gypsum does not support combustion.
HAZARDOUS COMBUSTION PRODUCTS:	Thermal oxidative decomposition can produce toxic fumes of sulphur oxides.

SECTION VII: REACTIVITY DATA

STABILITY:	<input checked="" type="checkbox"/> STABLE	<input type="checkbox"/> UNSTABLE
INCOMPATIBILITY (CONDITIONS TO AVOID):	Reacts violently with aluminum when heated. Mixtures of calcium sulphate and phosphorus ignite at high temperatures.	
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 NIOSH/MESA approved dust mask for levels of airborne dust below TLV. Use approved respirator with dust cartridges for levels of airborne dust greater than TLV.
VENTILATION:	Use in well ventilated area. Use local exhaust ventilation, process enclosure or other engineering controls to maintain dust levels below TLV.
PROTECTIVE GLOVES:	None 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. Wash thoroughly after handling, at breaks and before going off shift. Launder contaminated clothing before reuse. Store in a cool, dry area away from incompatibles.

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

Use appropriate safety equipment. Vacuum or sweep-up. Avoid creating dust on cleanup. Collect contaminated material in approved containers for disposal. Collect uncontaminated material for repackaging. Flush spill area with water.

WASTE DISPOSAL METHOD

Dispose in accordance with federal, provincial and local regulations. This material is suitable for landfills in many 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. Empty packages 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.

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BY: Regulatory Affairs
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