

SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **September 18, 2015**
8750 – 53rd Ave. PHONE: **780-440-4923**
Edmonton, AB T6E 5G2 FAX: **780-469-1899**

PRODUCT NAME: **Zinc Carbonate**

PRODUCT USE: Oilwell drilling fluid additive
CHEMICAL FAMILY: Inorganic zinc salt CAS #: 3486-35-9

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not a controlled product under WHMIS
WORKPLACE HAZARD: No known hazards

TRANSPORTATION OF DANGEROUS GOODS (TDG)

PROPER SHIPPING NAME: Not Regulated
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: May cause mechanical irritation

SKIN CONTACT: May cause some minor irritation in some individuals.

INGESTION: May cause nausea and vomiting; large doses are self-purging.

INHALATION: May cause slight irritation of the 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:	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:	Rinse mouth and give large amount of water to dilute. Do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious or convulsing victim.
INHALATION:	If symptoms develop move to fresh air. Apply oxygen or artificial respiration as required. If breathing difficulties, or distress, continue obtain medical attention.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	White granular powder; odourless
SPECIFIC GRAVITY:	Not determined
BOILING POINT (°C):	Not applicable (decomposes)
MELTING POINT (°C):	Not applicable (decomposes)
SOLUBILITY IN WATER:	Slightly soluble pH: No data
PERCENT VOLATILE BY VOLUME:	Not applicable
EVAPORATION RATE:	Not applicable
VAPOUR PRESSURE (mmHg):	Not applicable
VAPOUR DENSITY (air = 1):	Not applicable
BULK DENSITY:	37 lbs/ft ³

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Not flammable
FLAMMABLE LIMITS:	Not applicable
EXTINGUISHING MEDIA:	Use media suitable for packaging and surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire-fighting personnel.
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):	Reacts with acids; gives off heat and carbon dioxide.	
CONDITIONS OF REACTIVITY:	Contact with incompatible materials.	
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and oxides of zinc.	
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 approved dust mask be worn for airborne dust levels below TLF. Use approved respirator with dust cartridges is level of airborne dust exceeds TLV.
VENTILATION:	Use in well ventilated area. Use local exhaust ventilation, process enclosure or other engineering controls to maintain airborne dust levels below TLV.
PROTECTIVE GLOVES:	Suggest plastic or rubber.
EYE PROTECTION:	Suggest safety glasses with side-shields or goggles be worn.
OTHER PROTECTIVE EQUIPMENT (SPECIFY):	Chemical resistant clothing should be won at all times when handling product. Make eye-wash station and emergency shower available.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid inhalation of dust. Do not get on skin, in eyes or on clothing. Keep container closed when not in use. Wear suitable protection for eyes and skin when handling. Use with adequate ventilation. Avoid contact with incompatible material. Store in cool, dry, well-ventilated area away from sources of heat, initiation and sparks. Eye wash and safety showers should be easily accessible and in proper operating order.

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

Use appropriate protective equipment. Avoid all bodily contact. Use vacuum or sweep up to collect. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal. Do not allow product to enter sewers or storm water inlets.

WASTE DISPOSAL METHOD

Dispose in accordance with all federal, provincial, and local regulations. **It may be possible to dispose of this material through your local landfill: Check with 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 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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