



### MATERIAL SAFETY DATA SHEET

#### SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: September 25, 2012  
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PRODUCT NAME: **Zinc Carbonate**  
 PRODUCT USE: Oil well drilling fluid additive  
 CHEMICAL FAMILY: Inorganic zinc salt CAS# 3486-35-9

#### WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

MUTAGENICITY: No information available.  
 WHMIS CLASSIFICATION: Not a controlled product under WHMIS  
 WORKPLACE HAZARD: Not applicable

#### 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

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

#### SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [ ] EYE CONTACT [ ] SKIN [ ] 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.  
 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: Move victim 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 granular powder; odourless  
 SPECIFIC GRAVITY: Not determined  
 BOILING POINT (°C): Not applicable (decomposes)  
 MELTING POINT (°C): Not applicable (decomposes)  
 SOLUBILITY IN: 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<sup>3</sup>

#### **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

#### **SECTION VII: REACTIVITY DATA**

STABILITY: STABLE [XX] UNSTABLE [ ]  
INCOMPATIBILITY: Reacts with acids; gives off heat and carbon dioxide.  
(CONDITIONS TO AVOID):  
CONDITIONS OF REACTIVITY: Contact with incompatible materials.  
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and oxides of zinc.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR [XX] MAY OCCUR [ ]

#### **SECTION VIII: PREVENTATIVE 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 if 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: Chemical resistant clothing should be worn 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 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 CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

DATE ISSUED: September 25, 2012 BY: Product safety committee  
SUPERSEDES: September 26, 2009 PHONE: 780-440-4923

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