

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER:	ZINC CARBONATE
OTHER MEANS OF IDENTIFICATION:	Carbonic acid, zinc salt; Smithsonite; Zinc monocarbonate
RECOMMENDED USE:	Oilwell drilling fluid and cement additive
RESTRICTIONS ON USE:	None known
SUPPLIER IDENTIFIER:	Di-Corp 8750-53 Ave Edmonton, AB T6E 5G2 780-440-4923
EMERGENCY PHONE NUMBER:	780-468-4064 (24 hr)

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION:	Not hazardous
LABEL SYMBOLS:	Not applicable
SIGNAL WORD:	Not applicable
CLASSIFICATION INFORMATION:	Not applicable
PRECAUTIONARY STATEMENTS:	Not applicable
OTHER HAZARDS:	None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Zinc carbonate	3486-35-9	90 - 100% w/w

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:	Remove contaminated clothing and wash affected area thoroughly with water and soap. If irritation occurs and persists, obtain medical attention.
EYE CONTACT:	Immediately flush with gently flowing warm water until irritation ceases. Obtain medical attention if irritation persists.
INGESTION:	Rinse mouth and give large amount of water to dilute. Do not induce vomiting. Get medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.
INHALATION:	Move to area free from dust. If victim is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If breathing difficulties or distress continues obtain medical attention.
MOST IMPORTANT SYMPTOMS / EFFECTS:	No known acute or chronic health effects.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT:	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use media appropriate for packaging and surrounding materials.
UNSUITABLE EXTINGUISHING MEDIA:	None.
SPECIFIC FIRE HAZARDS:	When heated and in case of fire, irritating vapours/gas may be formed.
HAZARDOUS COMBUSTION PRODUCTS:	Zinc oxide, carbon monoxide and carbon dioxide are formed in a fire. Decomposes to zinc oxide and carbon dioxide at 300°C.
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:	Self-contained breathing apparatus required for fire-fighting personnel. Dike and collect extinguishing water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear appropriate safety gear including eye and respiratory protection. Avoid release to the environment. Do not discharge into drains, water courses or onto the ground.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Collect dry material by sweeping and shoveling. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Flush spill area thoroughly with water.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes or prolonged skin contact. Use good personal hygiene and housekeeping. Launder contaminated clothing before reuse.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in a cool, dry, well-ventilated place away from strong acids and magnesium.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

Not established. Local nuisance dust levels apply.

ENGINEERING CONTROLS:

Use only with adequate ventilation. If user operations generate dust use process enclosure, local exhaust ventilation or other engineering controls to keep worker exposure below limits.

PERSONAL PROTECTIVE MEASURES

RESPIRATORY PROTECTION:

Approved dust masks recommended for dust levels below TLV. Use a properly fitted particulate filter respirator complying with an approved standard if airborne concentrations exceeds TLV or if a risk assessment indicates this is necessary.

PROTECTIVE GLOVES:

Not required.

EYE PROTECTION:

Safety glasses with side-shields recommended.

OTHER PROTECTIVE EQUIPMENT (SPECIFY):

Protective clothing as required to prevent contact. Ensure eye-wash station and emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

White powder

ODOUR:

Odourless

ODOUR THRESHOLD:

Not applicable

pH:

Not available

MELTING POINT / FREEZING POINT:

Not applicable (decomposes)

BOILING POINT / RANGE:

Not applicable (decomposes)

FLASH POINT:

Not applicable

EVAPORATION RATE:

Not available

FLAMMABILITY:

Not flammable

FLAMMABILITY / EXPLOSIVE LIMITS:

Not applicable

VAPOUR PRESSURE:

Not available

VAPOUR DENSITY:

Not available

RELATIVE DENSITY:

Not available

SOLUBILITY:

Slightly soluble in water

PARTION COEFFICIENT:

Not available

AUTO-IGNITION TEMPERATURE: Not applicable
DECOMPOSITION TEMPERATURE: 300°C
VISCOSITY: Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None under normal conditions of storage or use.
CHEMICAL STABILITY: Stable under normal conditions of storage or use.
POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.
CONDITIONS TO AVOID: High temperatures.
INCOMPATIBLE MATERIALS: Strong acids; magnesium (may explode).
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and zinc oxide.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY: LD50 (Oral, rat) > 2000 mg/kg

SKIN CONTACT: Non-irritating to intact skin.
EYE CONTACT: Dust may cause mechanical irritation.
INGESTION: No effects expected from ingestion of small quantities.
INHALATION: Dust may cause irritation including coughing and sneezing.
CARCINOGENICITY: Not carcinogenic based on available information.
TERATOGENICITY: Not teratogenic based on available information.
REPRODUCTIVE TOXICITY: Not a reproductive toxin based on available information.
MUTAGENICITY: Not mutagenic based on available information.
CHRONIC TOXICITY: No information available.
TARGET ORGAN EFFECTS: No information available.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Not available.
PERSISTENCE AND DEGRADABILITY: Not applicable to inorganic substances.
BIOACCUMULATIVE POTENTIAL: Does not bioaccumulate.
MOBILITY IN SOIL: Dissociates into ions.
OTHER ADVERSE EFFECTS: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with 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. It may be possible to dispose of this product in a landfill: Check with local operator.

SECTION 14: TRANSPORTATION INFORMATION

TDG Not applicable
DOT Not applicable
IATA Not applicable
IMDG Not applicable
UN NUMBER: Not applicable
PROPER SHIPPING NAME: Not applicable

CLASS:	Not applicable
PACKING GROUP:	Not applicable
IMDG HAZARDS:	Not a marine pollutant
BULK TRANSPORT:	Not regulated
SPECIAL PRECAUTIONS:	None

SECTION 15: REGULATORY INFORMATION

DSL:	On the DSL.
WHMIS CLASS:	None
TSCA:	Listed

SECTION 16: OTHER INFORMATION

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