



# MATERIAL SAFETY DATA SHEET

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## ZINC CARBONATE

### SECTION I: IDENTIFICATION OF PRODUCT

**Product Name:** ZINC CARBONATE  
**Chemical Family:** Inorganic zinc salt  
**WHMIS Classification:** Not controlled  
**Workplace Hazard:** Not applicable  
**Product Use:** Drilling fluid additive

**TDG Classification:** Not regulated  
**Packaging Group:** Not applicable  
**PIN:** Not applicable  
**CAS#:** 3486-35-9

### SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD <sub>50</sub> (Species/Route)	LC <sub>50</sub> (Species/Route)
Contains no WHMIS controlled products				

### SECTION III: TOXICOLOGICAL PROPERTIES

**Route of entry:**  Skin  Eye Contact  Inhalation  Ingestion

**Effects of acute exposure:** May cause mechanical irritation to the eyes. May cause some minor skin irritation in some individuals. May cause nausea and vomiting; large doses are self-purging. May cause slight irritation of the upper respiratory tract.

**Effects of chronic exposure:** No information available

**Exposure limits:** Not determined

**Irritancy of product:** Eyes, skin, upper respiratory tract.

**Sensitization to product:** No information available

**Carcinogenicity:** No information available

**Reproductive toxicity:** No information available

**Teratogenicity:** No information available

**Mutagenicity:** No information available

**Name of toxicological synergistic products:** No information available



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## 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.

**Inhalation:** Move person to fresh air. Apply oxygen or artificial respiration as required. If breathing difficulties or distress continues 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.

## SECTION V: PHYSICAL DATA

**Physical state:** Solid

**Appearance and odour:** White granular powder; odourless

**Odour threshold:** Not applicable

**Specific gravity:** Not determined

**Vapor pressure (mmHG):** Not applicable

**Vapor density (Air=1):** Not applicable

**Evaporation rate:** Not available

**Boiling point (°C):** Not applicable (decomposes)

**Melting point (°C):** Not applicable (decomposes)

**pH:** No data

**Solubility in water:** Slightly soluble



## SECTION VI: FIRE AND EXPLOSION DATA

**Conditions of flammability:** Not flammable

**Means of extinguishing:** Use media suitable for packaging and surrounding fire.

**Flash point:** Not flammable

**Upper flammable limit:** Not applicable

**Lower flammable limit:** Not applicable

**Auto-ignition temperature:** Not applicable

**Hazardous combustion products:** No information available

**Explosion data-sensitivity to mechanical impact:** Not applicable

**Explosion data-sensitivity to static discharge:** Not applicable

## SECTION VII: REACTIVITY DATA

**Chemically unstable (conditions):** Stable.

**Product incompatible with:** 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.



## SECTION VIII: PREVENTATIVE MEASURES

**Personal protective equipment:** Suggest NIOSH approved dust mask be worn for airborne dust levels below TLV. Use approved respirator with dust cartridges if level of airborne dust exceeds TLV. Suggest plastic or rubber protective gloves. Suggest safety glasses with side-shields or goggles be worn. Chemical resistant clothing should be worn at all times when handling product. Make eye-wash station and emergency shower available.

**Specific engineering controls:** Use in well ventilated area. Use local exhaust ventilation, process enclosure or other engineering controls to maintain airborne dust levels below TLV.

**Procedures for leak/spills:** 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:** 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.

**Handling procedures and equipment:** 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.

**Storage requirements:** 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.

**Special shipping information:** Not applicable

## SECTION IX: PREPARATION

**Date updated:** September 25, 2012

**Prepared by:** Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.