

SAFETY DATA SHEET

Section 1: IDENTIFICATION

Trade Name:	Zinc Carbonate
Product Form:	Mixture
Product Code:	109802
Identified Uses:	Drilling Fluid Additive
Uses Advised Against:	No additional information available
Supplier:	Bri-Chem Supply Ltd. 27075 Acheson Road Acheson, AB T7X 6B1
Phone Number:	780-962-9490
Emergency Telephone:	CHEMTREC 1-800-424-9300 24/7

Section 2: HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture

GHS US Classification

Hazardous to the Aquatic Environment:	Acute Hazard – Category 1	Very toxic to aquatic life
Hazardous to the Aquatic Environment:	Chronic Hazard – Category 1	Very toxic to aquatic life with lasting effects.

GHS Label Elements, Including Precautionary Statements

GHS US Labelling

Hazard Pictograms (GHS US):



Signal Word (GHS US):	Warning
Hazard Statements (GHS US):	Very toxic to aquatic life. Very toxic to aquatic life with lasting effects.
Precautionary Statements (GHS US):	Avoid release to the environment. Collect spillage. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Other Hazards Which do not Result in Classification:	No additional information available.
Unknown Acute Toxicity (GHS US):	Not applicable

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances:	Not applicable	
Mixtures		
Name	Product Identifier (CAS No)	%
Zinc Oxide	1314-13-2	0 – 100
Full Text of Hazard Classes and H-Statements:	See Section 16	

Section 4: FIRST-AID MEASURES

Description of First-Aid Measures

First-Aid Measures after Inhalation:	Remove person to fresh air and keep comfortable for breathing.
First-Aid Measures after Skin Contact:	Wash skin with plenty of water.
First-Aid Measures after Eye Contact:	Rinse eyes with water as a precaution.
First-Aid Measures after Ingestion:	Call a poison control center or a doctor if you feel unwell.
Most Important Symptoms/Effects (Acute and Delayed):	No additional information available.
Immediate Medical Attention and Special Treatment, If Necessary:	Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media

Suitable Extinguishing Media: Water spray. Dry powder. Foam

Special Hazards Arising from The Chemical

Hazardous Decomposition Products in Case of Fire: Toxic fumes may be released.

Special Protective Equipment and Precautions for Fire-Fighters

Protection During Firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

General Measures: Do not handle until all safety precautions have been read and understood. Eliminate every possible source of ignition. Prevent unauthorized access.

For Non-Emergency Personnel

Emergency Procedures: Ventilate spillage area.

For Emergency Responders

Protective Equipment: Do not attempt to take action without suitable protective equipment. For further information refer to Section 8: "Exposure Controls/Personal Protection".

Environmental Precautions: Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: Collect spillage.

Methods for Cleaning Up: Mechanically recover the product.

Other Information: Dispose of materials or solid residues at an authorized site.

Reference to Other Sections: For further information refer to Section 13.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards when Processed: Avoid dust formation.

Precautions for Safe Handling: Ensure good ventilation of the workstation. Wear personal protective equipment.

Hygiene Measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for Safe Storage, Including any Incompatibilities

Technical Measures: Minimize generation of dust.

Storage Conditions: Store in a well-ventilated place. Keep cool.

Heat and Ignition Sources: Keep away from sources of ignition – No Smoking.

Storage Area: Protect from moisture. Protect from sunlight. Store away from heat.

Special Rules on Packaging: Store in a closed container.

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Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Zinc Carbonate: No additional information available.

Zinc Oxide (1314-13-2)

USA - ACGIH - Occupational Exposure Limits

Local Name: Zinc oxide

ACGIH TWA (mg-m³) 2 mg/m³ (R – Respirable particulate matter)

ACGIH STEL (mg/m³) 10 mg/m³ (R- Respirable particulate matter)

Remark (ACGIH) TLV® Bases: Metal fume fever

Regulatory Reference ACGIH 2018

USA - OSHA - Occupational Exposure Limits

Local Name: Zinc Oxide

OSHA PEL (TWA) (mg/m³) 15 mg/m³ (Total dust)
5 mg/m³ (Respirable fraction)
5 mg/m³ (Fume)

Regulatory Reference OSHA Annotated Table Z-1

Appropriate Engineering Controls

Appropriate Engineering Controls: Ensure good ventilation of the workstation.

Environmental Exposure Controls: Avoid release to the environment.

Individual Protection Measures/Personal Protective Equipment

Hand Protection: Protective gloves

Eye Protection: Safety glasses

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Personal Protective Equipment Symbol(s):



Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic and Physical Chemical Properties

Physical State: Solid

Colour: Colourless

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Odour:	Mixture contains one or more component(s) which have the following odour:
Odour Threshold:	No data available
pH:	No data available
Melting Point:	No data available
Freezing Point:	Not applicable
Boiling Point:	No data available
Flash Point:	Not applicable
Relative Evaporation Rate (Butylacetate=1):	No data available
Flammability (Solid, Gas):	Non flammable
Vapour Pressure:	No data available
Relative Vapour Density at 20°C:	No data available
Relative Density:	No data available
Solubility:	No data available
Partition Coefficient n-octanol/Water (Log Pow):	No data available
Auto-Ignition Temperature:	Not applicable
Decomposition Temperature	No data available
Viscosity, Kinematic:	No data available
Viscosity, Dynamic:	No data available
Explosive Limits:	Not applicable
Explosive Properties:	No data available
Oxidising Properties:	No data available
Other Information:	No additional information available.

Section 10: STABILITY AND REACTIVITY

Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	No dangerous reactions known under normal conditions of use.
Conditions to Avoid:	Avoid creating or spreading dust. Direct sunlight. Extremely high or low temperatures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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Incompatible Materials:	No additional information available.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under fire conditions, hazardous fumes will be present.

Section 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity (Oral):	Not classified
Acute Toxicity (Dermal):	Not classified
Acute Toxicity (Inhalation):	Not classified
Skin Corrosion/Irritation:	Not classified
Serious Eye Damage/Irritation:	Not classified
Respiratory or Skin Sensitization:	Not classified
Germ Cell Mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive Toxicity:	Not classified
STOT – Single Exposure:	Not classified
STOT – Repeated Exposure:	Not classified
Aspiration Hazard:	Not classified
Viscosity, Kinematic:	Not data available.

Section 12: ECOLOGICAL INFORMATION

Toxicity

Ecology – General:	Very toxic to aquatic life with long lasting effects.
Persistence and Degradability:	No additional information available.
Bioaccumulative Potential:	No additional information available.
Mobility in Soil:	No additional information available.
Other Adverse Effects:	No additional information available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods

Waste Treatment Methods:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
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Section 14: TRANSPORT INFORMATION

Department of Transportation (TDG):	In accordance with DOT – Not applicable.
Transportation of Dangerous Goods:	Not applicable
Transport by Sea:	Not applicable
Air Transport:	Not applicable

Section 15: REGULATORY INFORMATION

US Federal Regulations:	All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. This product is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in the 40 CFR 372.38(a) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
International Regulations	
Canada	
Zinc Oxide (1314-13-2)	Listed on the Canadian DSL (Domestic Substances List)
EU – Regulations	
National Regulations:	No additional information available
US State Regulations	
California Proposition 65:	This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

Section 16: OTHER INFORMATION

Disclaimer:

The information contained herein is based on data available to us and is believed to be true and accurate. However, no guarantee or warranty is provided, expressed or implied, by the company or its subsidiaries regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Since the use of this product is within the exclusive control of the user, we do not assume any responsibility and expressly disclaim any liability for any use of this product. It is the user's responsibility to determine the conditions of safe use, storage, and disposal of the product. Compliance with all applicable federal, provincial, and local regulations remains the responsibility of the user.

Prepared by: Bri-Chem Supply Ltd.
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