

# **Section 1: Product & Company Information**

Product Name: Zinc Carbonate

Chemical Family: Carbonate salt

**Product Use:** Drilling Mud Additive

#### Workplace Hazardous Materials Information Systems Data (WHMIS):

Class ID Class Workplace Hazard

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Prepared By:

None Not a Controlled Product

Manufacturer Name: HiTech Fluid Systems

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MSDS Revision Date: June 1, 2008
Supercedes: June 23, 2005

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**Preparer's Phone:** (403)547-2906

# Section 2: Composition/Information on Ingredients

Chemical Name	Concentration	CAS#
No Hazardous Ingredients		

# **Section 3: Hazards Identification**

**Emergency Overview:** Not Applicable

**Routes of Entry:** 

Skin Contact: Yes
Skin Absorption: No
Eye Contact: Yes
Inhalation: Yes
Ingestion: Yes



#### **Potential Health Effects:**

**Skin:** Prolonged exposure may cause irritation.

**Eye:** May cause slight irritation and/or redness.

**Inhalation:** May cause some respiratory irritation.

**Ingestion:** May cause nausea and vomiting. Large doses are self-purging.

### **Section 4: First Aid Measures**

**Eye Contact:** Flush eyes with water for at least 15 minutes. If adverse symptoms develop,

seek medical attention.

Skin Contact: Wash with soap and water. If irritation develops or persists, seek medical

attention. Contaminated clothing should be laundered before re-use.

Inhalation: Remove patient to fresh air. If breathing has stopped, administer artificial

respiration, and seek medical attention.

**Ingestion:** If conscious, give 2 to 4 glasses of water to drink. DO NOT induce vomiting.

Seek medical attention. Do not give anything by mouth to an unconscious or

convulsing person.

Other First Aid: Not Applicable

# **Section 5: Fire Fighting Measures**

**Conditions Of Flammability:**May burn with surrounding fire.

**Extinguishing Media:** Dry chemical, CO<sub>2</sub>, foam

Flashpoint:

Upper Flammable Limit:

Not Available

Not Available

Not Available

Autoignition Temperature: Not Available

**Protective Equipment:** 

Sensitivity To Impact or Static Discharge: Not Available

**Hazardous Combustion Products:** Decomposes at melting point (300°C) to oxides of zinc and

carbon.

**Fire Comment:** 



#### **Section 6: Accidental Release Measures**

**Personnel Precautions:** Use proper personal protective equipment as listed in section 8.

Spill Cleanup Measures: Use appropriate safety equipment. Small spills, sweep up and put into ap-

proved DOT containers for disposal or re-use. Large spills, do not allow to enter waterways, sweep or shovel into approved DOT containers for re-use or

disposal.

# Section 7: Handling & Storage

Handling: Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid

skin and eye contact.

**Storage:** Store in a cool, dry, well ventilated place. Keep container tightly closed and

away from incompatible materials.

# Section 8: Exposure Controls, Personal Protection, Exposure Guidelines

**Engineering Controls:** Provide mechanical ventilation to prevent dust concentrations, and to reduce

potential exposure.

Personal Protective Equipment: Chemical-resistant clothing is recommended, including gloves, apron, and

goggles.

**Respiratory Protection:** Respiratory protection is not normally required. If use creates dust formations,

then NIOSH-approved respirator with dust cartridge is recommended.

**Exposure Limits:** Not Determined

Chemical Name	ACGIH TLV-TWA	OSHA PEL-TWA
No Hazardous Ingredients		

# Section 9: Physical & Chemical Properties

Physical State: Solid

Odour And Appearance: White powder; odourless

Odour Threshold:

Boiling Point:

Not Available

Not Applicable

Evaporation Rate: Not Applicable

**Melting Point:** 300°C, decomposes

Freezing Point: Not Applicable

**Specific Gravity:** Approx. 3.5 g/cc

Solubility in Water: Very slight



Vapour Density:

Vapour Pressure:

Not Applicable

PH:

Not Applicable

Not Applicable

Not Available

Volatility (% by volume):

Not Applicable

Not Applicable

Not Applicable

# Section 10: Stability & Reactivity

Chemical Stability: Yes

Hazardous Polymerization: Will not occur.

Conditions Of Chemical Instability: Not Applicable

Incompatible Substances: Acids

**Special Decomposition Products:** Decomposition creates oxides of zinc, which may cause "brass

chiss" or "brass founder auge"; may cause damage to mu-

cous membranes.

# **Section 11: Toxicological Information**

Chemical Name	LD <sub>50</sub> (Oral Rat)	LD <sub>50</sub> (Dermal Rabbit)	LC <sub>50</sub> (Inhalation Rat)
No Hazardous Ingredients			

Effects Of Acute Exposure: Mild

Effects Of Chronic Exposure: Mild

General Irritancy Of Product: Slight

**Sensitization:** Not a known sensitizer.

Carcinogenicity: Not considered to be a carcinogen by IARC, NTP, and OSHA.

**Reproductive Toxicity:** None known.

**Teratogenicity:** Not a known teratogen.

**Embryotoxicity:** Not Available

Mutagenicity: Not a known mutagen.

Synergistic Products: None known.

# Section 12: Ecological Information

Ecotoxicity: Not Available
Environmental Fate: Not Available



# **Section 13: Disposal Considerations**

Waste Disposal: All waste should be disposed of according to federal, provincial and local reg-

ulations. Containers should NOT be re-used. Containers should be disposed

of in accordance with government regulations.

#### **Section 14: Transport Information**

**TDG Classification:** 9.2

**DOT UN Number:** NA9157

**Shipping Notes:** No special requirements

# **Section 15: Regulatory Information**

#### Workplace Hazardous Materials Information Systems Data (WHMIS):

Class ID Class Workplace Hazard



None Not a Controlled Product

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

#### **Section 16: Additional Information**

MSDS Revision Date: June 1, 2008

**MSDS** Revision Notes:

MSDS Author: HiTech Fluid Systems

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