


Section 1: Product & Company Information

Product Name: Gypsum
Chemical Family: Calcium Sulphate
Product Use: Drilling Mud Additive

Workplace Hazardous Materials Information Systems Data (WHMIS):

Class ID	Class	Workplace Hazard
	None	Not a Controlled Product

Manufacturer Name: HiTech Fluid Systems
Address: #1800, 505 3rd Street SW, Calgary, AB T2P 3E6 Canada
General Phone Number: (403)547-2906
General Fax Number: (403)547-3129
MSDS Revision Date: June 1, 2008
Supercedes: June 23, 2005
Prepared By: HiTech Fluid Systems
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:

Routes of Entry:

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

Potential Health Effects:

Skin:	N/A
Eye:	Mild irritant
Inhalation:	Mild irritant at high concentrations.
Ingestion:	Not available

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 adverse symptoms develop, seek medical attention.
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:

Section 5: Fire Fighting Measures

Conditions Of Flammability:	None known.
Extinguishing Media:	Dry chemical, CO ₂ , foam, water
Flashpoint:	Not available
Upper Flammable Limit:	Not available
Lower Flammable Limit:	Not available
Autoignition Temperature:	Not available
Protective Equipment:	Firefighters must wear appropriate breathing apparatus and clothing.
Sensitivity To Impact or Static Discharge:	N/A
Hazardous Combustion Products:	None known.
Fire Comment:	

Section 6: Accidental Release Measures

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Spill Cleanup Measures:	Treat like sand. Material is not water-soluble.

Section 7: Handling & Storage

Handling: N/A

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: Local exhaust or other ventilation to keep exposures below recommended levels.

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

Respiratory Protection: In absence of proper ventilation, recommended NIOSH-approved dust respirator.

Exposure Limits: TLV -10mg/mm³ (ACGIH)

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

Section 9: Physical & Chemical Properties

Physical State: Solid

Odour And Appearance: Gray powder or granules; odourless

Odour Threshold: N/A

Boiling Point: N/A

Evaporation Rate: N/A

Melting Point: 1559.85°C

Freezing Point: N/A

Specific Gravity: 2.96

Solubility in Water: Insoluble

Vapour Density: N/A

Vapour Pressure: N/A

pH: Not available

Flash Point: Not available

Volatility (% by volume): N/A

Coefficient of Water to Oil distribution: N/A

Section 10: Stability & Reactivity

Chemical Stability:	Yes
Hazardous Polymerization:	Will not occur.
Conditions Of Chemical Instability:	Not available
Incompatible Substances:	Not available
Special Decomposition Products:	Not available.

Section 11: Toxicological Information

Chemical Name	LD ₅₀ (Oral Rat)	LD ₅₀ (Dermal Rabbit)	LC ₅₀ (Inhalation Rat)
No Hazardous Ingredients			

Effects Of Acute Exposure:	None known.
Effects Of Chronic Exposure:	None known.
General Irritancy Of Product:	Treat as a nuisance dust.
Sensitization:	Not available
Carcinogenicity:	Not available
Reproductive Toxicity:	Not available
Teratogenicity:	Not available
Embryotoxicity:	Not Available
Mutagenicity:	Not available
Synergistic Products:	Not available

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 regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government regulations.
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Section 14: Transport Information

TDG Classification: Not regulated
DOT UN Number: Not available
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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