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## Section 1: Product & Company Information

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**Product Name:** Gilsonite High Temp  
**Chemical Family:** Gilsonite  
**Product Use:** Drilling Mud Additive

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

	Class ID	Class	Workplace Hazard
	None	Not a Controlled Product	

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**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

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## Section 2: Composition/Information on Ingredients

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Chemical Name	Concentration	CAS#
No Hazardous Ingredients		

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## Section 3: Hazards Identification

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**Emergency Overview:** Not Available

### Routes of Entry:

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

**Potential Health Effects:**

<b>Skin:</b>	Not available.
<b>Eye:</b>	Not expected to be chemically irritating, but dust in eyes may be abrasive.
<b>Inhalation:</b>	Should not be an irritant to respiratory tract at airborne concentrations below 5 mg/m <sup>3</sup> .
<b>Ingestion:</b>	Not expected to be acutely toxic by ingestion.

**Section 4: First Aid Measures**

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<b>Eye Contact:</b>	Flush eyes with running water for at least 15 minutes. If adverse symptoms develop, seek medical attention.
<b>Skin Contact:</b>	Wash with soap and water. If adverse symptoms develop, seek medical attention.
<b>Inhalation:</b>	If respiratory irritation or discomfort is experienced, move to fresh air. If condition persists, seek medical attention.
<b>Ingestion:</b>	Not required, as this material should not be an acute ingestion problem.
<b>Other First Aid:</b>	Not Available

**Section 5: Fire Fighting Measures**

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<b>Conditions Of Flammability:</b>	Not available.
<b>Extinguishing Media:</b>	Dry chemical, CO <sub>2</sub> , foam, water
<b>Flashpoint:</b>	315°C
<b>Upper Flammable Limit:</b>	Not available.
<b>Lower Flammable Limit:</b>	
<b>Autoignition Temperature:</b>	No data available
<b>Protective Equipment:</b>	Firefighters must wear appropriate breathing apparatus and clothing.
<b>Sensitivity To Impact or Static Discharge:</b>	No data available.
<b>Hazardous Combustion Products:</b>	Combustion forms CO <sub>2</sub> and water vapour, and may produce NO <sub>x</sub> . Incomplete combustion can produce carbon monoxide (CO).
<b>Fire Comment:</b>	Dust explosivity limit = 20 oz/1000ft <sup>3</sup>

## Section 6: Accidental Release Measures

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- Personnel Precautions:** Use proper personal protective equipment as listed in section 8.
- Spill Cleanup Measures:** Clean up spills immediately, observing precautions in Preventative Measures (Section 7).

## Section 7: Handling & Storage

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- Handling:** Safe handling practices should be observed.
- Storage:** Dusts are subject to combustion or explosion upon contact with sparks, open flames, or temperatures in excess of 535°C. Any potential source of sparking or ignition should be removed. Where long term exposure to vapours, distillates, or solids, resulting from heating to temperatures above 288°C can be anticipated, protective clothing and respiratory equipment are recommended.

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

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- Engineering Controls:** Not available.
- Personal Protective Equipment:** Chemical-resistant clothing is recommended, including gloves, apron, and goggles.
- Respiratory Protection:** In absence of proper ventilation, use of an approved dust mask is advised.
- Exposure Limits:** Dust presents no more hazard than any common dust. An exposure limit of 5 mg/m<sup>3</sup> has been established for a worker who spends 8 hours in such an atmosphere. At greater levels than this, special precautions should be taken or exposure times reduced.

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

## Section 9: Physical & Chemical Properties

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- Physical State:** Solid
- Odour And Appearance:** Black powder or granules
- Odour Threshold:** Not available.
- Boiling Point:** Not available.
- Evaporation Rate:** Not available.
- Melting Point:** 205°C
- Freezing Point:** Not available.
- Specific Gravity:** 1.05-1.08 @ 15/15°C

<b>Solubility in Water:</b>	Soluable
<b>Vapour Density:</b>	Not available.
<b>Vapour Pressure:</b>	Not available.
<b>pH:</b>	Not available.
<b>Flash Point:</b>	315°C
<b>Volatility (% by volume):</b>	2% @ 163°C for 5 hours
<b>Coefficient of Water to Oil distribution:</b>	Not available.

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## Section 10: Stability & Reactivity

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<b>Chemical Stability:</b>	Yes
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions Of Chemical Instability:</b>	
<b>Incompatible Substances:</b>	May react with strong oxidizing materials.
<b>Special Decomposition Products:</b>	CO, CO <sub>2</sub> , NO <sub>x</sub>

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## Section 11: Toxicological Information

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

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

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## Section 12: Ecological Information

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<b>Ecotoxicity:</b>	Not Available
<b>Environmental Fate:</b>	Not Available

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## Section 13: Disposal Considerations

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**Waste Disposal:** All waste should be disposed of in accordance to federal, rovincial, and lo-cal 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

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**TDG Classification:** Not regulated.

**DOT UN Number:** N/A

**Shipping Notes:** Not available.

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## Section 15: Regulatory Information

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### 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.

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## Section 16: Additional Information

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**MSDS Revision Date:** June 1, 2008

**MSDS Revision Notes:**

**MSDS Author:** HiTech Fluid Systems

**Disclaimer:** This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.