

## Section 1: Product & Company Information

**Product Name:** Aluminum Stearate  
**Chemical Family:** Metal Salt  
**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:** Not Available

### Routes of Entry:

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

**Potential Health Effects:**

<b>Skin:</b>	Minor irritation
<b>Eye:</b>	May cause mechanical irritation.
<b>Inhalation:</b>	May cause irritation of respiratory system
<b>Ingestion:</b>	Low level of toxicity by ingestion

**Section 4: First Aid Measures**

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<b>Eye Contact:</b>	Flush eyes with 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>	Remove patient to fresh air. If breathing has stopped, administer artificial respiration, and seek medical attention.
<b>Ingestion:</b>	Wash out mouth, but do not swallow. Seek medical assistance. Large amounts will require medical treatment.
<b>Other First Aid:</b>	Not Available

**Section 5: Fire Fighting Measures**

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<b>Conditions Of Flammability:</b>	None known
<b>Extinguishing Media:</b>	Dry chemical, CO <sub>2</sub> , foam, water fog
<b>Flashpoint:</b>	Not Available
<b>Upper Flammable Limit:</b>	Not Available
<b>Lower Flammable Limit:</b>	Not Available
<b>Autoignition Temperature:</b>	Not Determined
<b>Protective Equipment:</b>	Firefighters must wear appropriate breathing apparatus and clothing.
<b>Sensitivity To Impact or Static Discharge:</b>	Avoid dusty conditions and sources of ignition.
<b>Hazardous Combustion Products:</b>	CO <sub>x</sub>
<b>Fire Comment:</b>	

## Section 6: Accidental Release Measures

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- 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 approved 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

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- 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

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- 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:** Recommend NIOSH-approved dust respirator.
- Exposure Limits:** Not Available

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:** White powder; slight fatty acid odour
- Odour Threshold:** Not Available
- Boiling Point:** Decomposes
- Evaporation Rate:** Not Applicable
- Melting Point:** 110-112°C
- Freezing Point:** Not Applicable
- Specific Gravity:** 1.01
- Solubility in Water:** Negligible

<b>Vapour Density:</b>	Not Applicable
<b>Vapour Pressure:</b>	Not Applicable
<b>pH:</b>	3-4
<b>Flash Point:</b>	Not Available
<b>Volatility (% by volume):</b>	Not Available
<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>	Strong acids and oxidizers. Keep away from heat, flames, sparks, ect., under dusty conditions.
<b>Special Decomposition Products:</b>	CO <sub>x</sub> by combustion

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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>	Not Available
<b>Effects Of Chronic Exposure:</b>	Not Available
<b>General Irritancy Of Product:</b>	Slight
<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 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

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**TDG Classification:** Not regulated  
**DOT UN Number:** Not Applicable  
**Shipping Notes:** No special requirements

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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.