

Section 1: Product & Company Information

Product Name: Salt
Chemical Family: Salt
Product Use: Drilling Fluid 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#
Sodium Chloride		7647-14-15

Section 3: Hazards Identification

Emergency Overview: None required.

Routes of Entry:

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

Potential Health Effects:

Skin:	May cause slight irritation.
Eye:	May cause mild irritation.
Inhalation:	May cause irritation of the upper respiratory tract.
Ingestion:	May cause irritation in the mouth, esophagus, and stomach.

Section 4: First Aid Measures

Eye Contact:	Flush with water for at least 15 minutes. If adverse symptoms develop or persist, seek medical attention.
Skin Contact:	Wash with soap and water. If adverse symptoms develop, seek medical attention.
Inhalation:	Remove from exposure. If symptoms persist, seek medical attention.
Ingestion:	DO NOT induce vomiting. Seek immediate medical attention.
Other First Aid:	None required.

Section 5: Fire Fighting Measures

Conditions Of Flammability:	Non-flammable
Extinguishing Media:	Dry chemical, CO ₂ , foam, water
Flashpoint:	N/A
Upper Flammable Limit:	N/A
Lower Flammable Limit:	N/A
Autoignition Temperature:	N/A
Protective Equipment:	Firefighters must wear appropriate breathing apparatus and clothing.
Sensitivity To Impact or Static Discharge:	N/A
Hazardous Combustion Products:	N/A
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 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

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: None required for normal use.

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: ACGH nuisance dust TLV-TWA: 10 mg/m³ total dust

Chemical Name	ACGIH TLV-TWA	OSHA PEL-TWA
Sodium Chloride	Not Available	Not Available

Section 9: Physical & Chemical Properties

Physical State:	Solid
Odour And Appearance:	White granules; odourless
Odour Threshold:	N/A
Boiling Point:	1413°C
Evaporation Rate:	Not determined
Melting Point:	804°C
Freezing Point:	Not determined
Specific Gravity:	2.165
Solubility in Water:	1g\2.8 l
Vapour Density:	Not determined
Vapour Pressure:	1.0 mm @ 865°C
pH:	6.7-7.3
Flash Point:	N/A
Volatility (% by volume):	Not determined
Coefficient of Water to Oil distribution:	Not determined

Section 10: Stability & Reactivity

Chemical Stability:	Yes
Hazardous Polymerization:	Will not occur.
Conditions Of Chemical Instability:	
Incompatible Substances:	Lithium, bromide tri-flourides, strong acids, strong oxidizing agents
Special Decomposition Products:	HCl, fumes of Na ₂ O

Section 11: Toxicological Information

Chemical Name	LD ₅₀ (Oral Rat)	LD ₅₀ (Dermal Rabbit)	LC ₅₀ (Inhalation Rat)
Sodium Chloride	Not Available	Not Available	Not Available

Effects Of Acute Exposure: Mild irritant to mucous membranes and upper respiratory tract.

Effects Of Chronic Exposure: Modulator of blood pressure.

General Irritancy Of Product: Not known

Sensitization: N/A

Carcinogenicity: N/A

Reproductive Toxicity: N/A

Teratogenicity: N/A

Embryotoxicity: Not Available

Mutagenicity: N/A

Synergistic Products: N/A

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.

Section 14: Transport Information

TDG Classification: Not regulated
DOT UN Number: Not regulated
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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