



# MATERIAL SAFETY DATA SHEET CALCIUM CHLORIDE

**NFPA Classification**

Health	1	Flammability	0
		Reactivity	0
		Specific Hazard	0

## SECTION I - MATERIAL IDENTIFICATION AND USE

<b>Supplier:</b> NSC MINERALS INC. 2241 Speers Avenue Saskatoon, Saskatchewan Canada S7L 5X6	<b>Emergency Telephone Numbers:</b> (306) 934-6477 (888) 668-7258
<b>Chemical Name:</b> CaCl Calcium Chloride	<b>Chemical Family:</b> Inorganic Salts
<b>Product Use:</b> Deicing, Dust Control, Mud Drilling Lubricant, Road Base Stabilization	<b>Trade Name:</b> CaCl Calcium Chloride

## SECTION II - HAZARDOUS INGREDIENTS

Calcium Chloride (Anhydrous)	CAS # 10043-52-4
Calcium Chloride (Dihydrate)	CAS # 10035-04-8

## SECTION III - PHYSICAL DATA

<b>Physical State</b> Solid	<b>Odour and Appearance</b> Small White Flakes/Powder, Odourless	<b>Odour Threshold</b> Odourless
<b>Boiling Point</b> 1600°C (2912°F)	<b>Solubility In Water</b> 97.7g/100ml at 0°C	<b>Specific Gravity</b> 1.85

## SECTION IV - FIRE AND EXPLOSION HAZARDS

<b>Flammability</b> Non Flammable	<b>Means of Extinction</b> Non Combustible
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**SECTION V - REACTIVITY DATA**

<b>Chemical Stability</b> Stable	<b>Incompatible Materials</b> Bromine Trifluoride, Sulfuric Acid, Zinc
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**SECTION VI - TOXICOLOGICAL PROPERTIES**

<b>Route of Entry -</b> Eye, skin contact, inhalation, ingestion		
<b>Effects of Acute Exposure:</b> <b>Eye</b> - May cause irritation <b>Skin</b> - May cause irritation <b>Inhalation (of dust)</b> - May cause respiratory tract irritation <b>Ingestion</b> - May cause upset stomach		
<b>Irritancy</b> May Cause Irritation	<b>Respiratory Tract Sensitization</b> May Cause Irritation	<b>Mutagenicity</b> No Data Available
<b>Teratogenicity</b> No Data Available	<b>Carcinogenicity</b> Non-Hazardous By WHIMIS Criteria	<b>Reproductive Effects</b> No Data Available

**SECTION VII - PREVENTIVE MEASURES**

<b>Personal Protective Equipment:</b>	
<b>Gloves</b> - Recommended	<b>Footwear</b> - Normal
<b>Respiratory</b> - Wear NIOSH/MSHA approved respiratory protection	<b>Clothing</b> - Normal long sleeved work clothes
<b>Eyes</b> - Safety glasses recommended	
<b>Leak and Spill Procedures</b>	Use broom or dry vacuum to collect material for reuse or proper disposal. Rinse area with water. Prevent large spills from entering sewers and waterways.
<b>Waste Disposal</b>	Dispose of in accordance with all applicable Federal, Provincial, State and local Environment Regulations.
<b>Storage Requirements</b>	Store in dry area, preferably below 70% relative humidity.

### SECTION VIII - FIRST AID MEASURES

<b>Skin</b>	Wash with soap and water.
<b>Eyes</b>	Flush with large amounts of water.
<b>Inhalation</b>	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	Drink large quantities of water. Induce vomiting. Bring to the attention of a physician.

### SECTION IX - PREPARATION OF MATERIAL SAFETY DATA SHEET

<b>Prepared By:</b> NSC MINERALS INC.	<b>Date Prepared:</b> September 1, 2009
<b>Phone Number of Preparer:</b> (306) 934-6477	

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