



# SAFETY DATA SHEET CALCIUM CHLORIDE

**NFPA Classification**

Health	1	0	0
	Flammability	Reactivity	Specific Hazard

## SECTION I - MATERIAL IDENTIFICATION AND USE

<b>Supplier:</b> NSC MINERALS LTD. 2241 Speers Avenue Saskatoon, Saskatchewan Canada S7L 5X6	<b>Emergency Telephone Numbers:</b> (306) 934-6477 (888) 668-7258
<b>Chemical Name:</b> CaCl <sub>2</sub> 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 <sub>2</sub> 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

**Route of Entry -** Eye, skin contact, inhalation, ingestion

**Effects of Acute Exposure:**

**Eye** - May cause moderate to severe eye irritation with corneal injury that may be slow to heal

**Skin** - Prolonged exposure may cause irritation or cause burns especially if skin is moist. Contact with abraded skin or cuts can cause necrosis of tissues

**Inhalation (of dust)** - May cause respiratory tract irritation and may cause nose bleeds

**Ingestion** - May cause gastrointestinal irritation. May cause nausea, vomiting, ulceration, stomachache, and diarrhea

<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

**Personal Protective Equipment:**

**Gloves** - Recommended

**Footwear** - Normal

**Respiratory** - Wear CSA/NIOSH/MSHA approved respiratory protection

**Clothing** - Normal long sleeved work clothes

**Eyes** - Safety glasses recommended

**Leak and Spill Procedures** 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.

**Waste Disposal** Dispose of in accordance with all applicable Federal, Provincial, State and local Environment Regulations.

**Storage Requirements** Store in dry area, preferably below 70% relative humidity.

### SECTION VIII - FIRST AID MEASURES

<b>Skin</b>	Wash with soap and water for at least 15 minutes, remove contaminated clothing and wash. If irritation persists seek medical attention.
<b>Eyes</b>	Flush with large amounts of water for at least 15 minutes. If irritation persists seek medical attention.
<b>Inhalation</b>	If symptoms develop, move victim to fresh air. If patient is having breathing difficulty provide oxygen. If patient has stopped breathing administer CPR. Seek medical attention if breathing difficulties occur.
<b>Ingestion</b>	Drink large quantities of water. Contact Poison control. If advised by Poison Control to do so, induce vomiting. Bring to the attention of a physician.

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

<b>Prepared By:</b> NSC MINERALS LTD.	<b>Date Prepared:</b> July 2016
<b>Phone Number of Preparer:</b> (306) 934-6477	

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