



SAFETY DATA SHEET CALCIUM CHLORIDE

NFPA Classification

Health	1	0	0
	Flammability	Reactivity	Specific Hazard

SECTION I - MATERIAL IDENTIFICATION AND USE

Supplier: NSC MINERALS LTD. 2241 Speers Avenue Saskatoon, Saskatchewan Canada S7L 5X6	Emergency Telephone Numbers: (306) 934-6477 (888) 668-7258
Chemical Name: CaCl ₂ Calcium Chloride	Chemical Family: Inorganic Salts
Product Use: Deicing, Dust Control, Mud Drilling Lubricant, Road Base Stabilization	Trade Name: CaCl ₂ Calcium Chloride

SECTION II - HAZARDOUS INGREDIENTS

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

SECTION III - PHYSICAL DATA

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

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flammability Non Flammable	Means of Extinction Non Combustible
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SECTION V - REACTIVITY DATA

Chemical Stability Stable	Incompatible Materials 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		
Irritancy May Cause Irritation	Respiratory Tract Sensitization May Cause Irritation	Mutagenicity No Data Available
Teratogenicity No Data Available	Carcinogenicity Non-Hazardous By WHIMIS Criteria	Reproductive Effects No Data Available

SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment: Gloves - Recommended Respiratory - Wear CSA/NIOSH/MSHA approved respiratory protection Eyes - Safety glasses recommended Footwear - Normal Clothing - Normal long sleeved work clothes	
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

Skin	Wash with soap and water for at least 15 minutes, remove contaminated clothing and wash. If irritation persists seek medical attention.
Eyes	Flush with large amounts of water for at least 15 minutes. If irritation persists seek medical attention.
Inhalation	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.
Ingestion	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

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

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