



# MATERIAL SAFETY DATA SHEET

## SECTION I: IDENTIFICATION OF PRODUCT

**PRODUCT NAME:** Calcium Chloride 94-97%

**PRODUCT USE:** Oil Well Fluid & Cement Additive

**CHEMICAL FAMILY:** Calcium Chloride (94-97%)

### WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

**WHMIS CLASSIFICATION:** D2B

**WORK PLACE HAZARD:** Skin and Eye Irritant

### TRANSPORTATION OF DANGEROUS GOODS (TDG)

**SHIPPING NAME:** Not Regulated Under TDG

**TDG CLASSIFICATION:** N/A

**UN NUMBER (PIN):** N/A

**PACKING GROUP:** N/A

## SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD<sub>(50)</sub> Oral-Rat</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Calcium Chloride	94 – 97 %	10043-52-4	1000 –2000 mg/kg	N/A	10 mg/m <sup>3</sup>

## SECTION III: TOXICOLOGICAL PROPERTIES

**ROUTE OF ENTRY:**  SKIN     EYE CONTACT     INHALATION     INGESTION

**EYE CONTACT :** May cause Moderate to severe eye irritation with corneal injury that may be slow to heal

**SKIN CONTACT:** Prolonged or repeated contact with the dust may irritate the skin or cause burns

**INGESTION:** Swallowing solids may cause gastrointestinal irritation or ulceration.

**INHALATION:** Breathing dust may irritate the upper respiratory tract.

## SECTION IV: FIRST AID MEASURES

**SKIN CONTACT:** Immediately wash skin with lots of soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists.



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<b>EYE CONTACT:</b>	GET IMMEDIATE MEDICAL ATTENTION. Immediately flush eyes with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally.
<b>INGESTION:</b>	If ingested, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
<b>INHALATION:</b>	Remove patient to fresh air. Apply artificial respiration as required. Contact a physician.

## SECTION V: PHYSICAL DATA

<b>APPEARANCE AND ODOUR:</b>	White to off-white pellets; odourless
<b>SPECIFIC GRAVITY:</b>	2.2
<b>BOILING POINT (°C):</b>	N/A
<b>MELTING POINT (°C):</b>	N/A
<b>SOLUBILITY IN WATER:</b>	Very soluble
<b>PERCENT VOLATILE BY VOLUME:</b>	N/A
<b>EVAPORATION RATE:</b>	N/A
<b>VAPOUR PRESSURE (mm Hg):</b>	N/A
<b>BULK DENSITY (lb/ft<sup>3</sup>):</b>	N/A

## SECTION VI: FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT:</b>	N/A
<b>FLAMMABLE LIMITS:</b>	N/A
<b>EXTINGUISHING MEDIA:</b>	Use media suitable for surrounding fire.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Self-contained respirators required for fire fighting personnel.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	None

## SECTION VII: REACTIVITY DATA

<b>STABILITY:</b>	<b>Stable [XX]</b>	<b>Unstable [ ]</b>
<b>INCOMPATIBILITY (CONDITIONS TO AVOID):</b>	Will slowly corrode metals. Al, Al alloys, attacks yellow brass.	
<b>CONDITIONS OF REACTIVITY:</b>	None	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	None	
<b>HAZARDOUS POLYMERIZATION:</b>	Will Not Occur [XX]	May Occur [ ]



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## VIII: PREVENTIVE MEASURES

### SPECIAL PROTECTION INFORMATION

<b>RESPIRATORY PROTECTION</b>	Suggest Approved dust respirator or mask if required.
<b>VENTILATION</b>	local mechanical exhaust is sufficient
<b>PROTECTIVE GLOVES</b>	Suggest rubber gloves
<b>EYE PROTECTION</b>	Suggest chemical goggles
<b>OTHER PROTECTIVE EQUIPMENT (Specify)</b>	Ensure eye- wash station and emergency shower is available.

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool, very dry place. Keep container tightly closed when not in use. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing.

### STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED

Wear protective equipment. Collect uncontaminated material for reuse or repackaging. Collect contaminated material in approved waste container.

### WASTE DISPOSAL METHOD

Dispose of material in accordance with federal, provincial and local regulations. It is the responsibility of the user to determine if contaminated material meets hazardous waste requirements.

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## SECTION IX: PREPARATION

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

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