


# Safety Data Sheet

Section 1. Identification		
<b>Product Identifier</b>	<b>Calcium Chloride</b>	<b>Version: 7</b> <b>Effective Date: 25 January 2021</b>
<b>Other Means Of Identification</b>	None	
<b>Initial Supplier Identifier</b>	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
<b>Recommended Use And Restrictions on Use</b>	Dust control, concrete curing agent. No restrictions	
<b>Product Family</b>	Inorganic Salt	
<b>Emergency Phone</b>	1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST	

Section 2. Hazard Identification	
<b>Hazard Classification</b>	
<b>Health Hazards</b>	Skin Damage/Irritation – Category 2 Eye Damage/Irritation – Category 2B Acute Toxicity (oral) – Category 4
<b>Signal Word</b>	Warning
<b>Hazard Statement</b>	Causes skin irritation. Causes eye irritation. Harmful if swallowed.
<b>Precautionary Prevention Statement</b>	Wash hands thoroughly after handling. Wear protective gloves. Do not eat, drink or smoke when using this product.
<b>Precautionary Response Statement</b>	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse Specific treatment: treat as a thermal burn after decontamination. Do not induce vomiting unless directed by medical personnel. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Call a doctor if you feel unwell. Rinse mouth.



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<b>Precautionary Storage Statement</b>	None
<b>Precautionary Disposal Statement</b>	Dispose of contents/container in accordance with local regulations.
<b>Other Hazards</b>	None

## Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Calcium Chloride	None	10043-52-4	90

## Section 4. First-Aid Measures

<b>Eye Contact</b>	Flush eyes with water for 15 minutes. Seek medical attention.
<b>Skin Contact</b>	Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Ingestion</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	May cause skin and eye burns.
<b>Immediate Medical Attention and Special Treatment</b>	If burns are presented, treat as a thermal burn after decontamination.

## Section 5. Fire-Fighting Measures

<b>Suitable and Unsuitable Extinguishing Media</b>	Use extinguishing media suitable for surrounding fire. Do not use direct water jet.
<b>Hazardous Combustion Products</b>	None known.
<b>Specific Hazards Arising From the Product</b>	Dissolves exothermically in water.



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<b>Special Protective Equipment and Precautions for Fire-Fighting</b>	Fire-fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.
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Section 6. Accidental Release Measures	
<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Gloves, coveralls, safety glasses. Evacuate all unnecessary personnel, secure area and carefully sweep up spilt material.
<b>Environmental Precautions</b>	Do not allow spilled material to enter sewers and surface watercourses.
<b>Methods and Materials for containment and Clean-Up</b>	Carefully sweep up spilled material, avoid creating dust. Place material in a suitable container for disposal. Wash area thoroughly with water to remove residues.

Section 7. Handling and Storage	
<b>Precautions For Safe Handling</b>	Handle with care. Heat is generated in contact with water, this can be extremely high – try and keep temperature below 27 °C.
<b>Conditions For Safe Storage</b>	Store in a cool dry place. Keep containers tightly closed when not in use. Protect against moisture.

Section 8. Exposure Controls / Personal Protection				
<b>Control Parameters</b>	<b>TWA: 8 Hr</b>	<b>STEL: 15 min</b>	<b>Ceiling</b>	<b>IDLH *</b>
Calcium Chloride	15 mg/m <sup>3</sup> (Total)	5 mg/m <sup>3</sup> (Respirable)		
	OSHA * Immediately Dangerous to Life and Health			
<b>Exposure Controls</b>	Local exhaust ventilation			
<b>Appropriate Engineering Controls</b>	Ensure eye wash station and safety shower are available.			
<b>Individual Protective Measures</b>				
<b>Eye / Face Protections</b>	Safety glasses			
<b>Skin Protection</b>	Chemical resistant coveralls and gloves			
<b>Respiratory Protection</b>	Dust mask.			

<b>Section 9. Physical and Chemical Properties</b>	
<b>Appearance</b>	White pellets
<b>Odour</b>	No odour
<b>Odour Threshold</b>	Not applicable.
<b>pH</b>	No data.
<b>Flash Point</b>	No data
<b>Boiling Point and Boiling Range</b>	>815 °C
<b>Melting Point / Freezing Point</b>	260 °C
<b>Evaporation Rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not flammable
<b>Upper and Lower flammability or Explosive Limits</b>	No data
<b>Vapour Pressure</b>	Not applicable.
<b>Vapour Density</b>	Not applicable.
<b>Relative Density</b>	2.2
<b>Solubility</b>	Soluble
<b>Partition co-efficient, n-Octanol/Water</b>	No data
<b>Auto-ignition Temperature</b>	No data
<b>Decomposition Temperature</b>	No data
<b>Viscosity</b>	No data

<b>Section 10. Stability and Reactivity</b>	
<b>Reactivity</b>	Stable
<b>Chemical Stability</b>	Stable
<b>Possibility of Hazardous Reactions</b>	Will not occur
<b>Conditions to Avoid</b>	Exposure to moisture.
<b>Incompatible Materials</b>	Heat is generated when mixed with water. Spattering and boiling can occur. Sulphur acid. Flammable hydrogen gas may be generated from contact with metals such as zinc or sodium. Reaction of bromide impurity with oxidizing metals may generate trace levels of impurities such as bromate.

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<b>Hazardous Decomposition Products</b>	Not expected to decompose under normal conditions of use.
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Section 11. Toxicological Information	
<b>Component Toxicity</b>	<b>LD50 Oral</b> <b>LD50 Dermal</b> <b>LC50 Inhalation</b>
Calcium Chloride	1.0g/kg (Rat)      2.63g/kg (Rabbit)
<b>Likely Routes of Exposure</b>	
<b>Skin:</b>	Prolonged and repeated exposure may cause irritation especially if the skin is damp. May present as a thermal burn.
<b>Eyes:</b>	May cause severe irritation. May cause corneal injury. Effects may be slow to heal.
<b>Inhalation:</b>	Dust may be irritating to the respiratory tract.
<b>Ingestion:</b>	Harmful if ingested in large quantities. May cause digestive tract irritation and ulceration.
<b>Acute Toxicity Estimates (ATE)</b>	Not classified
<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	Not classified
<b>Aspiration Toxicity</b>	Not classified
<b>STOT (Specific Target Organ Toxicity) – Repeated</b>	Not classified
<b>Skin Corrosion / Irritation</b>	Corrosive
<b>Serious Eye Damage / Irritation</b>	Corrosive
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Carcinogenicity</b>	Not listed
<b>Reproductive Toxicity</b>	
- <b>Sexual Function and Fertility</b>	Not classified
- <b>Development of Offspring</b>	Not classified
- <b>Effects on or via Lactation</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified
<b>Interactive Effects</b>	Not classified
<b>Other Information</b>	None known



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<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	LC50: 10650 mg/L (Lepomis macrochirus)
<b>Persistence and Degradability</b>	Not readily degradable
<b>Bioacumulative Potential</b>	No data
<b>Biodegradability</b>	No data
<b>Mobility in Soil</b>	Not available
<b>Other Adverse Effects</b>	None

<b>Section 13. Disposal Considerations</b>	
<b>Disposal Considerations</b>	Dispose of contents/container in accordance with local, provincial and federal regulations

<b>Section 14. Transport Information</b>	
<b>UN Number</b>	Not applicable
<b>UN Proper Shipping Name</b>	Not applicable
<b>Transport Hazard Class(es)</b>	Not applicable
<b>Packaging Group</b>	Not applicable
<b>Environmental Hazards</b>	Not applicable
<b>Bulk Transport</b>	Not applicable
<b>Special Precaution</b>	Not applicable
<b>DOT Erg#</b>	Not applicable

<b>Section 15. Regulatory Information</b>	
<b>Canada – DSL Inventory</b>	All components of this product are either on the Domestic Substances List (DSL), Non-Domestic Substances List (NDSL) or exempt
<b>TSCA</b>	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
<b>Additional Information</b>	None



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Section 16. Other Information	
<b>NFPA Rating</b>	Health-1/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-1/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
<b>Prepared by:</b>	Chemfax Products Ltd., Technical Department
<b>Date Prepared:</b>	27 September, 2012
<b>Date of Latest Revision:</b>	25 January 2021
<b>Disclaimer</b>	
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