

## Safety Data Sheet (SDS)

# CALCIUM CHLORIDE

<b>1. Identification of the Substance</b>	<b>PRODUCT NAME:</b> Calcium Chloride <b>DISTRIBUTOR:</b> EcoFusion Inc., PO Box 251408. Plano, TX 75025 – 1408 (USA) <b>TEL:</b> +1 972 403 7449 <b>FAX:</b> +1 214 291 5348 <b>EMERGENCY:</b> CHEMTREC 800 424 9300
<b>2. Hazards Identification</b>	<b>EMERGENCY OVERVIEW</b> May be harmful if swallowed. May cause severe respiratory and digestive tract irritation with possible burns. May cause severe eye and skin irritation with possible burns. May cause cardiac disturbances. Hygroscopic (absorbs moisture from the air). <b>HMIS RATING</b> Health: 2 Flammability: 0 Reactivity: 0 <b>NFPA RATING</b> Health: 2 Flammability: 0 Reactivity: 0
<b>3. Composition / Information on Ingredients</b>	<b>CHEMICAL FORMULA:</b> CaCl <sub>2</sub> <b>MOLECULAR WEIGHT:</b> 110.98 <b>CAS NO.:</b> 10043-52-4 <b>INGREDIENTS:</b> Calcium, Chloride <b>EINECS:</b> 2331408
<b>4. First Aid Measures</b>	<b>SKIN:</b> In case of contact, immediately wash skin with soap and copious amounts of water. Call a physician. <b>EYE:</b> In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician. <b>INGESTION:</b> If swallowed, wash out mouth with water provided person is conscious. Call a physician. <b>INHALATION:</b> If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
<b>5. Fire Fighting Measures</b>	<b>EXTINGUISHING MEDIA:</b> Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam. <b>FIRE FIGHTING:</b> Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. <b>HAZARDS:</b> Emits toxic fumes under fire conditions.
<b>6. Accidental Release Measures</b>	<b>SPILLS:</b> Evacuate area. Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust. <b>DISPOSAL METHODS:</b> Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.
<b>7. Handling and Storage</b>	<b>HANDLING:</b> Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale. Wash clothing before reuse. Always use cool

	<p>water when dissolving calcium chloride. Heat evolved is significant.</p> <p><b>STORAGE:</b> Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.</p>
<b>8. Exposure Controls / Personal Protection</b>	<p><b>ENGINEERING CONTROLS:</b>                  Safety shower and eye bath required. Mechanical exhaust required.</p> <p><b>PERSONAL PROTECTIVE EQUIPMENT</b>                  Respiratory: Wear dust mask.                  Hand: Protective gloves.                  Eye: Chemical safety goggles.</p>
<b>9. Physical and Chemical properties</b>	<p><b>PHYSICAL STATE:</b> White Powder  <b>ODOUR:</b> Odorless  <b>FREEZING/MELTING POINT:</b> 770 Deg C  <b>VAPOR DENSITY:</b> 0.01 mm Hg (20°C)  <b>SOLUBILITY:</b> Soluble in water  <b>DENSITY:</b> 2.15g/ml</p>
<b>10. Stability and Reactivity</b>	<p><b>STABILITY:</b> Stable under ordinary conditions of use and storage.</p> <p><b>CONDITIONS TO AVOID:</b> : Dust generation, excess heat, exposure to moist air or water.</p> <p><b>MATERIALS TO AVOID:</b> Bromine trifluoride, Furan-2-peroxycarboxylic acid, Solutions attack some metals..</p> <p><b>HAZARDOUS POLYMERIZATION:</b> Will not occur.</p> <p><b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Hydrogen chloride, calcium oxide.</p>
<b>11. Toxicological Information</b>	<p><b>ROUTE OF EXPOSURE</b>                  Skin Contact: Causes skin irritation.                  Skin Absorption: May be harmful if absorbed through the skin.                  Eye Contact: Causes eye irritation.                  Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.                  Ingestion: May be harmful if swallowed.</p> <p><b>SIGNS AND SYMPTOMS OF EXPOSURE</b>                  To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p> <p><b>TOXICITY DATA</b>                  Oral                  LD50: 1000 mg/kg (rat)                  LD50: 1940 mg/kg (mouse)                  LD50: 1384 mg/kg (rabbit)</p>
<b>12. Ecological Information</b>	<p>Don't allow undiluted product or large quantities to penetrate into ground water, water bodies or sewage system.</p>
<b>13. Disposal Considerations</b>	<p><b>METHODS OF DISPOSAL:</b> Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.</p>
<b>14. Transport Information</b>	<p>Not Regulated</p>
<b>15. Regulatory Information</b>	<p><b>EU ADDITIONAL CLASSIFICATION</b>                  Symbol of Danger: Xi                  Indication of Danger: Irritant.                  R: 36</p>

	<p>Risk Statements: Irritating to eyes. S: 22-24 Safety Statements: Do not breathe dust. Avoid contact with skin. <b>US CLASSIFICATION AND LABEL TEXT</b> Indication of Danger: Irritant. Risk Statements: Irritating to eyes. Safety Statements: Do not breathe dust. Avoid contact with skin. <b>US REGULATORY INFORMATION</b> SARA listed: No TSCA inventory item: Yes <b>CANADA REGULATORY INFORMATION</b> WHMIS classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR. DSL: Yes NDSL: No</p>
<b>16. Other Information</b>	N/A

*THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USERS' RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR THEIR OWN PARTICULAR USE.*

All non-emergency questions should be  
Directed to Customer Service at

**24 hour emergency Telephone: Chemtrec 800-424-9300**  
**National response in Canada: Canutec 613-996-6666**  
**Outside US & Canada: Chemtrec: 202-483-7616**

Note: Chemtrec and Canutec emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, exposure or accident involving chemicals.