

## Safety Data Sheet (SDS)

# CALCIUM NITRATE

<b>1. Identification of the Substance</b>	<b>PRODUCT NAME:</b> Calcium Nitrate <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> Oxidizing: Contact with combustible material may cause fire. Target organ(s): Blood. Central nervous system. HMIS rating: Health: 1 : Flammability: 0 : Reactivity: 3 NFPA rating: Health: 1 : Flammability: 0 : Reactivity: 3 : Health: 1 : Flammability: 0 : Reactivity: 3
<b>3. Composition / Information on Ingredients</b>	<b>CHEMICAL FORMULA:</b> Ca(NO <sub>3</sub> ) <sub>2</sub> <b>MOLECULAR MASS:</b> 164.088 g/mol <b>CAS NO.:</b> 13477-34-4 <b>INGREDIENTS:</b> Calcium Nitrate <b>HAZARD SYMBOL:</b> O
<b>4. First Aid Measures</b>	<b>ORAL EXPOSURE:</b> If swallowed, wash out mouth with water provided person is conscious. Call a physician. <b>INHALATION EXPOSURE:</b> If inhaled, remove to fresh air. If breathing becomes difficult, call a physician. <b>DERMAL EXPOSURE:</b> In case of contact, immediately wash skin with soap and copious amounts of water. Call a physician. <b>EYE EXPOSURE:</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>5. Fire Fighting Measures</b>	<b>FLASH POINT:</b> N/A <b>AUTO IGNITION TEMP:</b> N/A <b>FLAMMABILITY:</b> N/A <b>EXTINGUISHING MEDIA:</b> Suitable: Carbon dioxide, dry chemical powder, or appropriate foam. <b>FIREFIGHTING</b> <b>PROTECTIVE EQUIPMENT:</b> Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. <b>SPECIFIC HAZARD (S):</b> Emits toxic fumes under fire conditions. Contact with other material may cause fire. May accelerate combustion.
<b>6. Accidental Release Measures</b>	<b>PROCEDURE IN CASE OF LEAK/SPILL:</b> Evacuate area. <b>PROCEDURE (S) OF PERSONAL PRECAUTION (S):</b> Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust. <b>METHODS FOR CLEANING UP:</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> Avoid breathing dust. Avoid contacting skin, eyes and clothing. Use with adequate ventilation Avoid prolonged or repeated exposure. <b>STORAGE:</b> Keep tightly closed. Keep away from combustible materials, heat, sparks, and open flame <b>SPECIAL REQUIREMENTS:</b> Hygroscopic
<b>8. Exposure Controls / Personal protection</b>	<b>ENGINEERING CONTROLS:</b> Safety shower and eye bath required. Mechanical exhaust required. <b>PERSONAL PROTECTIVE EQUIPMENT</b> <b>RESPIRATORY</b> Wear dust mask. <b>HAND:</b> Protective gloves. <b>EYE:</b> Chemical safety goggles. <b>GENERAL HYGIENE MEASURES:</b> Wash thoroughly after handling.
<b>9. Physical and Chemical properties</b>	<b>PHYSICAL STATE:</b> Solid <b>COLOUR:</b> White <b>ODOUR:</b> Odorless <b>FORM:</b> Granular <b>MELTING POINT:</b> N/A <b>BOILING POINT:</b> N/A <b>DECOMPOSITION TEMPERATURE:</b> N/A <b>FLASH POINT:</b> N/A <b>AUTOIGNITION TEMPERATURE:</b> N/A <b>EXPLOSION PROPERTIES:</b> N/A <b>VAPOUR PRESSURE:</b> N/A <b>VAPOUR DENSITY:</b> N/A <b>DENSITY:</b> 1.86 g/ml at 25 °C <b>VOLATILE:</b> N/A <b>SOLUBILITY:</b> Soluble in water <b>VISCOSITY:</b> N/A
<b>10. Stability and Reactivity</b>	<b>STABILITY:</b> Stable <b>CONDITIONS TO AVOID:</b> Strong reducing agents, Strong Acids <b>HAZARDOUS POLYMERIZATION:</b> Will not occur <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Nitrogen oxides, Calcium oxide
<b>11. Toxicological Information</b>	<b>ACUTE TOXICITY:</b> LD50: 3900 mg/kg (rat) : Eye: 500 mg/24H (rabbit) Mild : Skin: 500 mg/24H (rabbit) Mild
<b>12. Ecological Information</b>	No Data Available
<b>13. Disposal Considerations</b>	<b>METHODS OF DISPOSAL:</b> Dispose of according to all applicable governments' regulations. Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations
<b>14. Transport Information</b>	<b>PROPER SHIPPING NAME:</b> Calcium Nitrate <b>UN NO.:</b> 1454 <b>HAZARD LABEL:</b> Oxidizer <b>PACKING GROUP:</b> III <b>CLASS:</b> 5.1
<b>15. Regulatory Information</b>	Attention shall be paid to any applicable national regulations as to the hazard and safety information of this product.
<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.