



Canadian Agri Products(USA) Corp.

Chemicals to Trade, Experience to Remember

## Material Safety Data Sheet (MSDS)

### MAPLE CALCIUM NITRATE

<b>1. Identification of the substance</b>	Product Name : Calcium nitrate Synonyms : CALCIUM NITRATE Molecular Formula : $5\text{Ca}(\text{NO}_3)_2 \cdot \text{NH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}$ Molecular Weight : 1080.71
<b>2. Composition /information on ingredients</b>	Product Name : Calcium Nitrate CAS No. : 13477-34-4 Hazard Symbols : O
<b>3. Hazards identification</b>	<i>Emergency overview</i> 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  For additional information to toxicity, please refer to Section 11.
<b>4. First aid measures</b>	Oral exposure : If swallowed, wash out mouth with water provided person is conscious. Call a physician. Inhalation exposure : If inhaled, remove to fresh air. If breathing becomes difficult, call a physician. Dermal exposure : In case of contact, immediately wash skin with soap and copious amounts of water. Call a physician. Eye exposure : 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>	Flash point : N/A Auto ignition temp : N/A Flammability : N/A Extinguishing media : Suitable: Carbon dioxide, dry chemical powder, or appropriate foam. <b>Firefighting</b> Protective Equipment : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s) : Emits toxic fumes under fire conditions. Contact



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		with other material may cause fire. May accelerate combustion.
<b>6. Accidental release measures</b>	<p>Procedure in case of leak/spill :Evacuate area.</p> <p>Procedure(s) of personal precaution(s) : Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.</p> <p>Methods for cleaning up : 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.</p>	
<b>7. Handling and storage</b>	<p>User Exposure : Do not breathe dust. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.</p> <p>Suitable : Keep tightly closed. Keep away from combustible materials, heat, sparks, and open flame.</p> <p>Special requirements : Hygroscopic.</p>	
<b>8. Exposure controls/personal protection</b>	<p>Engineering controls : Safety shower and eye bath required. Mechanical exhaust required.</p> <p>Personal protective equipment</p> <p>Respiratory : Wear dust mask.</p> <p>Hand : Protective gloves.</p> <p>Eye : Chemical safety goggles.</p> <p>General hygiene measures : Wash thoroughly after handling</p>	
<b>9. Physical and chemical properties</b>	<p>Physical State :Solid</p> <p>Colour :White</p> <p>Form : granular</p> <p>Molecular Formula : <math>5\text{Ca}(\text{NO}_3)_2 \cdot \text{NH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}</math></p> <p>Molecular weight : 1080.71</p> <p>pH : N/A</p> <p>Boiling Point : 44°C</p> <p>Freezing/Melting Point : N/A</p> <p>Flash Point : N/A</p> <p>Decomposition : N/A</p> <p>Temperature : N/A</p> <p>Auto ignition Temperature : N/A</p> <p>Vapour Pressure : N/A</p> <p>Vapour Density : N/A</p> <p>Saturated Vapour : N/A</p> <p>Density : 1.86 g/ml at 25 °C</p> <p>Bulk Density : N/A</p> <p>Odour Threshold : N/A</p> <p>Volatile : N/A</p> <p>Evaporation Rate : N/A</p> <p>Viscosity : N/A</p> <p>Surface Tension : N/A</p>	





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