

Safety Data Sheet (SDS)

CALCIUM AMMONIUM NITRATE

1. Identification of the Substance	PRODUCT NAME: Calcium Ammonium Nitrate DISTRIBUTOR: EcoFusion Inc., PO Box 251408. Plano, TX 75025 – 1408 (USA) TEL: +1 972 403 7449 FAX: +1 214 291 5348 EMERGENCY: CHEMTREC 800 424 9300
2. Hazards Identification	STATEMENT OF HAZARDOUS NATURE Not classified as hazardous according to the criteria of ASCC. Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code. Risk Phrases: Not Hazardous - No criteria found. Safety Phrases: S22, S25. Do not breathe dust. Avoid contact with eyes. SUSDP Classification: None allocated. ADG Classification: None allocated. Not a Dangerous Good under the ADG Code. UN Number: None allocated Emergency Overview Physical Description & color: White prills. Odour: No odour. Major Health Hazards: no significant risk factors have been found for this product. POTENTIAL HEALTH EFFECTS INHALATION: Short term exposure: Available data indicates that this product is not harmful. However product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort. Long Term exposure: No data for health effects associated with long-term inhalation. SKIN CONTACT: Short term exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use. Long Term exposure: No data for health effects associated with long-term skin exposure. EYE CONTACT: Short term exposure: This product may be mildly irritating to eyes, but is unlikely to cause anything more than mild discomfort which should disappear once product is removed. Long Term exposure: No data for health effects associated with long-term eye exposure. INGESTION: Short term exposure: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort. Long Term exposure: No data for health effects associated with long-term ingestion. CARCINOGEN STATUS:

	ASCC/NTP/IARC: No significant ingredient is classified as carcinogenic.
3. Composition / Information on Ingredients	CHEMICAL FORMULA: 5Ca(NO3)2.NH4NO3.10H2O MOLECULAR WEIGHT: 1080.71 CAS NO.: 15245-12-2 INGREDIENTS: Calcium Nitrogen Fertilizer CLASSIFICATION: Not regulated
4. First Aid Measures	GENERAL INFORMATION: You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call. INHALATION: No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice. SKIN CONTACT: Gently brush away excess solids. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed. EYE CONTACT: Quickly and gently brush particles from eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses. INGESTION: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.
5. Fire Fighting Measures	FIRE AND EXPLOSION HAZARDS: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Fire decomposition products from this product are likely to be harmful if inhaled. Take suitable protective measures. EXTINGUISHING MEDIA: Not Combustible. Use extinguishing media suited to burning materials. FIRE FIGHTING: If a significant quantity of this product is involved in a fire, call the fire brigade. Flash point: Does not burn. UPPER FLAMMABILITY LIMIT: Does not burn. LOWER FLAMMABILITY LIMIT: Does not burn. AUTOIGNITION TEMPERATURE: Not applicable - does not burn. FLAMMABILITY CLASS: Does not burn.
6. Accidental Release Measures	ACCIDENTAL RELEASE: Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or watercourses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include cotton, rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask. Otherwise, not normally necessary. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labeled containers for recycling or

	<p>salvage, and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. After spills, wash area-preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill.</p> <p>Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.</p>
<p>7. Handling and Storage</p>	<p>HANDLING: Keep exposure to this product to a minimum, and minimize the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed.</p> <p>The measures detailed below under "Storage" should be followed during handling in order to minimize risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.</p> <p>STORAGE: Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.</p>
<p>8. Exposure Controls / Personal protection</p>	<p>The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.</p> <p>ASCC Exposure Limits TWA (mg/m3) STEL (mg/m3) Exposure limits have not been established by ASCC for any of the significant ingredients in this product.</p> <p>No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.</p> <p>VENTILATION: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that dusts are minimized.</p> <p>EYE PROTECTION: Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.</p> <p>SKIN PROTECTION: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.</p> <p>PROTECTIVE MATERIAL TYPES: We suggest that protective clothing be made from the following materials: cotton, rubber, PVC.</p> <p>RESPIRATOR: If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask. Otherwise, not normally necessary.</p>

9. Physical and Chemical properties	<p>PHYSICAL DESCRIPTION & COLOR: White to yellowish prills. ODOUR: No odour. BOILING POINT: 310°C at 100kPa FREEZING/MELTING POINT: 94-98°C VOLATILES: No specific data. Expected to be low at 100°C. VAPOUR PRESSURE: Negligible at normal ambient temperatures. VAPOUR DENSITY: No data. SPECIFIC GRAVITY: 1 approx WATER SOLUBILITY: Soluble. pH: 5.0 to 7.0 VOLATILITY: Negligible at normal ambient temperatures. ODOUR THRESHOLD: No data. EVAPORATION RATE: No data. COEFF OIL/WATER DISTRIBUTION: No data AUTO IGNITION TEMP: Not applicable - does not burn.</p>
10. Stability and Reactivity	<p>REACTIVITY: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties. CONDITIONS TO AVOID: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry. INCOMPATIBILITIES: strong acids, strong oxidizing agents FIRE DECOMPOSITION: Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres and calcium compounds. POLYMERIZATION: This product will not undergo polymerization reactions.</p>
11. Toxicological Information	<p>Target Organs: There is no data to hand indicating any particular target organs. Ingredient Risk Phrases No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.</p>
12. Ecological Information	<p>This product is unlikely to adversely effect the environment. Salts, acids and bases are typically diluted and neutralised when released to the environment in small quantities. Nitrates are readily degraded by bacterial action.</p>
13. Disposal Considerations	<p>METHODS OF DISPOSAL: Dispose of according to all applicable governments' regulations. This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to separate the contamination in some way. Only if neither of these options is suitable, consider landfill.</p>
14. Transport Information	<p>This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.</p>
15. Regulatory Information	<p>All of the significant ingredients in this formulation are compliant with NICNAS regulations.</p>
16. Other Information	<p>N/A</p>

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.

T: +1 (972) 403-7449 • F: +1 (214) 291-5348
E: sales@ecofusion.net • www.ecofusion.net

5600 Tennyson Parkway
Suite #305, Plano, TX 75024(USA)



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.