

# MSDS

## Material Safety Data Sheet

### Calcium Ammonium Nitrate Double Salt

#### 1、 Product Identification

Synonyms: Calcium Ammonium Nitrate Double Salt  
Chemical Formula:  $5\text{Ca}(\text{NO}_3)_2 \cdot \text{NH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}$   
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#### 2、 Composition/Information on Ingredients

Chemical Name	General Name	CAS No.	Percent	Hazardous
Calcium Fertilizer With Crystal Water	—	—	81%	No
Nitrogen fertilizer With Crystal Water	—	—	7%	No
Crystal water	—	—	12%	No

#### 3、 Hazardous identification

It is not classified as dangerous.

#### 4、 First Aid Measures

**Inhalation:**

Remove to fresh air. Get medical attention if ill effects occur.

**Ingestion:**

If swallowed, do not induce vomiting, give several glasses of water or milk to drink. If large amounts were swallowed or symptoms occur, get medical advice. Never give anything by mouth to an unconscious person

**Skin Contact :**

Wash the affected area with soap and water

**Eye Contact:**

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

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**5、 Fire Fighting Measures**

If substance is not directly involved in the fire, use the best means available to extinguish the fire. If substance is involved in the fire, use plenty of water. Do not use chemical extinguishers or foams or attempt to smother the fire with steam or sand. Open doors and windows of the store to give maximum ventilation. Do not allow molten substance to run into drains. Prevent contamination of the substance by oils or other combustible materials. If water-containing fertilizer enters any drains or watercourse, inform the local authorities immediately.

In the event of a fire, wear full protective clothing and approved self-contained breathing apparatus, if fumes are being entered.

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**6、 Accidental Release Measures**

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 7.

Spills, Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

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**7、 Handling and storage****Handling:**

- Observe normal hygiene standards
- Avoid raising dust

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- Do not discharge the waste into the the drain

**Storage:**

- Keep container tightly closed. Keep out of direct sunlight. Store in a dry area. Store in a well-ventilated area.

- Keep away from: heat sources, inflammable materials, reducing agents, organic materials

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## 8、 Personal Protection

**respiratory protection:**

- Dust formation: dust mask

**hand protection:**

- Gloves.

**eye protection:**

- Safety glasses

- In case of dust production: protective goggles

**skin protection:**

- Protective clothing

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## 9、 Physical and Chemical Properties

**Appearance:**

White Granular

**Odor:**

Odorless.

**Solubility:**

Soluble in water.

**Bulk Density:**

Normal between 1000-1200kg/m<sup>3</sup>.

**PH :**

5.0(1%aqueous solution)

**%Volatiles by volume@21C(70F)**

No information found.

**Boiling Point:**

No information found.

**Melting Point**

100-104°C

**Decomposition Temperature:**

No information found.

**Flash Point (closed cup)**

No information found.

**Explosion Limit**

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No information

**Vapor Density (Air=1)**

No information found.

**Vapor Pressure (mm Hg)**

No information found.

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**10、 Stability and reactivity**

**Conditions to avoid/ reactivity:**

- Hygroscopic

**Materials to avoid:**

- Keep away from : heat sources, combustible materials, reducing agents, organic materials

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**11、 Toxicological Information**

Oral rat LD50:>2000mg/kg.

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**12、 Ecological Information**

Environmental Fate:

No information found.

Environmental Toxicity:

No information found.

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**13、 Disposal Considerations**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Dispose of container and unused contents in accordance with state and local requirements.

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**14、 Transport Information**

Not regulated.

Not classified as hazardous material according to UN Orange Book and international transport codes e.g. ADR

(road), RID (rail), ADN (inland waterways) and IMDG (sea).

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## 15、Regulatory information

Product use: Agricultural applications.

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## 16、Disclaimer:

The information in this Safety Data Sheet is given in good faith and belief in its accuracy based on our knowledge of the substance /preparation concerned at the date of publication.It does not imply the acceptance of any legal liability or responsibility whatsoever by the Company for the consequences of its use or misuse in any particular circumstances.

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