

CALCIUM NITRATE SOLUTION

Description

Calcium Nitrate Solution is used to correct calcium deficiencies in plants. Calcium Nitrate Solution is compatible with many liquid fertilizers, micronutrients, pesticides, and water. It mixes easily with calcium chloride, ammonium nitrate, manganese nitrate, copper nitrate and zinc nitrate.

Handling and Storage

Calcium Nitrate Solution is a clear solution which may be stored and handled in plastic, fiberglass or stainless steel equipment. Mild steel and aluminum tanks should not be used. To avoid the formation of insoluble precipitate, do not mix with phosphates or sulfate containing materials. Always conduct a jar test with new tank mixes to verify compatibility.

Function

Calcium is an integral nutrient in plant health. Plants only use the exchangeable calcium ion (Ca⁺⁺). Functions calcium contributes to include:

- Promoting early root formation and growth and cell integrity
- Improved general plant vigor and stiffness of stalks
- Improved grain and seed production
- Increased calcium content of food and feed crops
- Intake of other nutrients

Shipping

Calcium Nitrate Solution (calcium nitrate and ammonium nitrate double salt) is not classified as a hazardous material by the US Department of Transportation.



Chemical & Physical Properties

Chemical Formula	5 Ca(NO ₃) ₂ · NH ₄ NO ₃
CAS Number	15245-12-2
Molecular Weight	N/A
Specific Gravity @ 60°F (15.5°C)	1.465
pH	5.0 - 5.4
Salt-Out Temperature	Typically 0° - 5°F (-17.7° - -15°C)
Color	Colorless
Odor	Odorless
Weight per Gallon	12.2 lbs/gal (1.46 kg/L @ 15.5°C)
Gallons per ton	163.93

Typical Analysis

Total Nitrogen	9.0%
0.58% Ammoniacal Nitrogen	
8.42% Nitrate Nitrogen	
Soluble Calcium (Ca)	11%

The data presented herein are believed to be accurate but are in no way guaranteed. TradeMark Nitrogen Corp. makes no warranties, express or implied, that any of the above data is fit for any particular use and expressly disclaims all oral warranties of any kind.

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