

Calcicoat - Calcium Chloride

Technical Data Sheet

General Description

CALCICOAT™ calcium chloride (CaCl_2) is a white, high purity granules with 94% to 97% weight percent CaCl_2 . It has the following features when compared to its nearest competitor:

- When sprayed, the shape of granules makes them more controllable than powder shape.
- Higher concentration of calcium chloride gives a higher heat of dissolution, promoting faster melting and higher penetration rate as a deicer.

Applications:

CALCICOAT™ Calcium chloride is used in petroleum industry as drilling mud additive and drying petroleum fractions, in cement manufacture to low alkali and acting as a source of chloride. To melt the Highway ice for sidewalks, parking lots and driveways. This high energy should be sprinkled lightly and evenly over ice surfaces at an application rate of about 2 pounds per 200 square feet. Thawing begins immediately.

Safety and Handling:

CALCICOAT™ Calcium chloride (CaCl_2) when in solution is a strong salt solution. Protective clothing, rubber gloves and eye protections are recommended. Rubber safety boots should also be worn in work areas. Before using this product refer to the MSDS for complete safety and handling guidelines. For proper disposal guidelines for calcium chloride wastes, consult the appropriate local regulatory authorities.

Store in tightly closed, airtight containers. Store in closed, cleaned, dry and well-ventilated place. Keep away from incompatible substance such as moisture, zinc, steel and materials that support consumption such as oxidizing agents. Product is hygroscopic so protect them against atmospheric moisture. This product is subject to deterioration during storage, the presence of water, humidity will accelerate this deterioration so protect against water and humidity. Protect against heat (don't store above temp. 30C). Keep away from direct sunlight. Protect against physical damage. Don't put the product directly on the floor, Stored the product on pallets. Ensure that local, federal and national legislation on storage conditions are observed.

Manufacture Site:

Name of the Manufacture: EVERGROW FOR SPECIALITY FERTILIZERS.

Address of the Manufacture: Seventh Industrial Zone No 7043 - Sadat City - Egypt

Shelf life: 3 Years from production date.

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Product Specification

General	
Chemical Formula	CaCl ₂
Appearance	White Granules
Internal Code	CALCICOAT

Item	Specs	Unit	Test Method	Ref.
CaCl ₂	94 Min	%	Complex-metric	Internal
MgCl ₂	1 Max	%	Complex-metric	Internal
pH 35.5 g / 100 ml H ₂ O	9.5 Max	---	pH meter	Internal
Solubility	99.8 Min	%	solubility	Internal
Insoluble matter	0.2 Max	%	Gravimetric	Internal
Bulk Density	0.8 Min	gm/cm ³	Loose pour	IFDC S-111
Moisture content	0.5 Max	%	Oven	AOAC950.01

Item	Specs	Unit	Ref.
Particle Size	(+ 3) mm	5 Max	dry Sieve analysis
	(-3)mm +(+0.5)mm	85 Min	
	(- 0.5)mm	10 Max	

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