

CALCIUM CHLORIDE

Product Data Sheet

General Description

Calcium chloride (CaCl₂) is a white, high purity pellet with 94 to 97 weight percent CaCl₂.

It has the following features when compared to its nearest competitor:

- When sprayed, the faceted shape of pellets makes them more controllable than round pellets that often bounce and roll.
- Higher concentration of calcium chloride gives a higher heat of dissolution, promoting faster melting and higher penetration rate as a deicer.

Applications

Calcium chloride is the premier deicer for sidewalks, parking lots and driveways. This high energy deicer should be sprinkled lightly and evenly over ice surfaces at an application rate of about 2 pounds per 200 square feet. (Note: a one pound coffee can holds approximately 2 pounds of product.) Thawing begins immediately. As soon as ice is melted, slush and water should be promptly removed to prevent refreezing. (See warnings below.)

Availability

PACKAGING			
Package	Pallet Size	Units/Pallet	Pallets/Truckload
25 lb Plastic Bag	40x48	100	16
50 lb Plastic Bag	40x48	56	15
80 lb Plastic Bag	40x48	35	15
25 kg Plastic Bag	40x48	42	18
100 lb Box	45x45	18	23
2000 lb Bulk Bag	45x45	1	21

Safety and Handling

Calcium chloride when in solution is a strong salt solution. Protective clothing, rubber gloves and eye protection are recommended. Rubber safety boots should also be worn in work areas, since calcium chloride can damage leather. This product should be handled in areas with proper ventilation. Before using this product, refer to the MSDS (available on the Company's website) for complete safety and handling guidelines. For proper disposal guidelines for calcium chloride wastes, consult the appropriate local regulatory authorities.

CHEMICAL PROPERTIES	
Chemical	CaCl ₂
Appearance	White granule
Odor	None
Assay	94 to 97% by weight CaCl ₂
Bulk Density	Approx. 55 lb/cubic foot
pH	7.0 to 10.5 (at 5 to 38% wt solutions)

TYPICAL ANALYSIS*	
Calcium Chloride	> 94% by weight
Alkali Chlorides (as NaCl)	< 2% by weight
Total Magnesium (as MgCl ₂)	< 0.1% by weight
Other Impurities (not H ₂ O)	< 1% by weight
Iron (Fe)	< 15 mg/kg
Heavy Metal (including Pb)	< 20 mg/kg
Lead (Pb)	< 5 mg/kg

*impurities based on 100% CaCl₂ basis

TYPICAL SCREEN ANALYSIS	
Screen Number	
4 (4.76 mm)	100% passing by weight
8 (2.38 mm)	0-40% passing by weight
40 (0.42 mm)	0-4% passing by weight

Warnings: The cycle of refreezing and thawing by natural weather elements can cause damage to concrete. The use of an ice melting agent increases these cycles, a factor over which we have no control. All deicers may be harmful to concrete surfaces. Independent testing shows that these pellets contribute less to concrete scaling than other commonly used deicers. Use this product on properly cured, air-entrained concrete only. Calcium chloride is not recommended on use of concrete that is less than one year old. If this product is used on concrete of questionable quality or in excessive amounts, there may be surface flaking and scaling. When grass and shrubbery are adjacent to icy surfaces, particular care should be taken to avoid excessive application as browning can occur. The use of this ice melting compound must be at the consumer's risk. Store in a dry place and keep tightly closed when not in use.