



PELADOW

90% Calcium Chloride

General Description

PELADOW* 90% calcium chloride is a pelletized calcium chloride product. PELADOW 90% calcium chloride meets ASTM D 98 and AASHTO M144 requirements for calcium chloride purity. ASTM classification for PELADOW 90% calcium chloride is "Type S, Grade 2, Class B."

Applications

PELADOW 90% calcium chloride is recommended for deicing asphalt and concrete surfaces that have been designed and constructed for winter conditions.

Fast melting action and cold temperature performance are two properties of PELADOW that distinguish it from other deicers. These attributes stem from the ability of PELADOW to release heat as it melts snow and ice.

PELADOW also has a number of different uses, generally industrial in nature. These include brine refrigeration, wastewater treatment and as a source of calcium for chemical processing.

Physical Properties

Appearance	White Pellets
Odor	None
Bulk Density	58-66 lbs. / cu. ft.
Sieve Analysis	0% > 3/8 inch 0-20% > #4 sieve 90-100% > #20 sieve 96-100% > #30 sieve

Availability

PELADOW 90% calcium chloride is available in various package sizes and in bulk truck and bulk rail.



Typical Chemical Properties

Item	Composition	Unit
Calcium Chloride, min.	90.0	%
Total Alkali Salts (as NaCl)	3.7	%
Total Magnesium (as MgCl ₂)	0.03	%
Other Impurities	0.6	%
Calcium Hydroxide	0.07	%
Calcium Carbonate	0.02	%

Safety and Handling

For brief contact, no precautions other than clean body-covering clothing should be needed. Selection of specific items such as goggles, gloves, and apron will depend on the operation. Eye/face protection is recommended for dusty operations or when handling solutions.

Appropriate ventilation should be in place to keep atmospheric levels below industrial hygiene guidelines (Dow IHG for calcium chloride is 10 mg/cu. meter).

Rubber boots and gloves are recommended, due to the adverse effect of calcium chloride on leather.

Calcium chloride generates a great deal of heat when it is dissolved. Use cool (less than 80°F/26°C) water when making solutions.

Consult authorities for proper disposal information.

For full safety and handling details, contact The Dow Chemical Company for a current copy of the Material Safety Data Sheet for this product.

For more information contact The Dow Chemical Company Customer Information Center at 1-800-447-4369.

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