



Calcium Chloride 94-97% Mini-Pellets

Product Specifications Sheet

General Description

Calcium Chloride 94-97% is a pelletized, anhydrous calcium chloride product. Mini-pellet 94-97% meets ASTM D-98-93 and AASHTO M144-86 (1993) requirements for calcium chloride purity. ASTM classification for Mini-Pellet 94-97% calcium chloride is Type S, Grade 3, Class B.

Applications

Calcium Chloride 94-97% mini-pellet is primarily used in industrial applications. Its uses include concrete acceleration, tire weighting, brine refrigeration systems, waste water treatment, as a calcium source for chemical processing, and as an additive to oil well completion fluids.

Typical Physical Properties

Appearance	White Pellets
Odor	None
Bulk Density	51-57 lbs/cu ft
Sieve Analysis	0% > #4 Sieve 0-20% > #8 Sieve 90-100% > #20 Sieve 96-100% > #30 Sieve

Chemical Properties

Item	Limit		Unit	
Calcium Chloride	Min	94	%	
Total Alkali Chlorides (as NaCl)	Max	5.0	%	
Total Magnesium (as MgCl ₂)	Max	0.50	%	
Iron (as Fe)	Max	0.005	%	
pH	Min	9	Max 10	pH
Calcium Hydroxide	Max	0.20	%	
Calcium Carbonate	Max	0.20	%	
Sulfate	Max	0.20	%	
Heavy Metals (as Pb)	Max	0.005	%	
Water Insolubles	Max	0.150	%	
Other Impurities (not including H ₂ O)	Max	1.0	%	

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.