PRODUCT SPECIFICATION

PRODUCT INFO			
Product Name	Calcium Chloride Flake 83%	Product ID	ETS-1357
Product Application	For applications where rapid dissolution of solid Calcium Chloride product is required. Conforms to ASTM D98-15 and AASHTO M144 purity requirements.		

CHEMICAL PROPERTIES		
Chemical Constituent	Typical Analysis (%)	Range (%)
Calcium Chloride	≥ 83.0	83.0-87.0
Total Alkali Chlorides (as NaCl)	≤ 6.0	≤ 6.0
Total Magnesium (as MgCl2)	≤ 0.5	≤ 0.5
Calcium Hydroxide	≤ 0.2	≤ 0.2

Application

Calcium Chloride Flake 83% has distinctive properties that make it the ideal choice for ice melting, dust control, concrete acceleration, and many other applications. Its higher concentration provides a lower application rate than conventional 77-80% Calcium Chloride flake.

Calcium Chloride Flake 83% releases heat to melt snow and ice faster and across a wider range of temperatures than other materials. Mix it with rock salt, sand, and gravel to improve their performance. It reduces dust on unpaved surfaces by absorbing moisture from its surroundings, keeping the surface damp and binding dust particles to the gravel.

Adding Calcium Chloride Flake 83% to concrete results in reduced time for initial and final set, increased early strength, and protection in cold weather.

When put into solution, Calcium Chloride Flake 83% is effective in many other applications, including tire weighting, brine refrigeration, and as an inert ingredient in pesticide formulations.

To create a solution by mixing this product with water, refer to the Making Solutions Calculator found on Oxy Calcium Chloride's website.

Storage and Shelf Life

Store in a dry area and tightly reseal after each use. To maintain product quality while in storage, solid Calcium Chloride must be protected from moisture. If the product is on a pallet covered by an intact plastic shroud, it can be stored outdoors on a well-drained surface. If the shroud is torn, pierced, or removed, then the palletized product should be stored indoors or under a waterproof covering.

When properly stored to protect from moisture contact, the expected shelf life for solid Calcium Chloride is 36 months. Calcium Chloride does not degrade or deteriorate. However, the shelf life is limited based on the potential for moisture intrusion into the product, which may cause product clumping. Solid Calcium Chloride absorbs moisture from the air (i.e., is hygroscopic), even to the point of converting to liquid brine (i.e., is deliquescent).

Typical Analysis

PRODUCT TESTING	
TEST DESCRIPTION	TEST RESULTS
Form, Color, Odor	Flake, White, Odorless