



# CALCIUM CHLORIDE FLAKE

## GENERAL DESCRIPTION:

Calcium Chloride Flake is a white, flaked, dihydrate product that is 77% weight per CaCl<sub>2</sub>.

## APPLICATIONS:

- ◆ **Chemical Industry:** soluble calcium source
- ◆ **Oilfield:** fluid for drilling and cementing
- ◆ **Snow & Ice Melt:** deicing on pavement
- ◆ **Water Care:** calcium source for pools
- ◆ **Soil Conditioning:** stabilizes roadbeds
- ◆ **Ready Mix Concrete:** accelerates setting times
- ◆ **Brewing:** lowers pH of water

CHEMICAL PROPERTIES	
Chemical	CaCl <sub>2</sub>
Appearance	White flakes
Assay	77% minimum by weight CaCl <sub>2</sub>
Bulk Density	Approx. 50 lb/cubic foot
pH	8.0 to 10.5 (at 5 to 38% wt solutions)

TYPICAL ANALYSIS*	
Sodium Chloride (NaCl)	< 4.0% by weight
Potassium Chloride (KCl)	< 1.5% by weight
Magnesium Chloride (MgCl <sub>2</sub> )	< 0.5% by weight
Iron (Fe)	< 0.002% by weight
Heavy Metals	< .005% by weight
Sulfates (as SO <sub>4</sub> )	< .075% by weight
Water Insolubles	< .03% by weight
Alkalinity (as CaCO <sub>3</sub> )	< .20% by weight

\*impurities based on 100% CaCl<sub>2</sub> basis

TYPICAL SCREEN ANALYSIS	
Screen Number:	
4 (4.76 mm)	80-100% passing by weight
8 (2.38 mm)	75% passing by weight
30 (0.59 mm)	5% passing by weight

## SAFETY & HANDLING:

Calcium Chloride Flake is a strong salt solution. Protective clothing, including rubber gloves and eye protection are recommended. Rubber safety boots should also be worn in work areas, as calcium chloride can damage leather.

This product should be handled only in areas with proper ventilation. 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.

\*\*\*[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)\*\*\*