



Calcium Chloride – 77% Flake

CAS Number: 10035-04-8

Chemical Formula: $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$

Calcium Chloride 77% Flake is a white, free-flowing hygroscopic material. It is widely used in construction, industrial, and environmental applications where high solubility, moisture absorption, and chloride ion contribution are required.

KEY FEATURES & APPLICATIONS

- Concrete accelerator in construction
- Snow and ice melting agent
- Dust control in unpaved roads and industrial sites
- Oilfield applications (drilling, completion, and workover fluids)
- Water treatment coagulant
- Rubber industry coagulant
- Agricultural applications (soil stabilization, desiccant, and plant nutrient)

PRODUCT SPECIFICATIONS

Item	Specification
CaCl_2	$\geq 77\%$
$\text{Ca}(\text{OH})_2$	$\leq 0.2\%$
NaCl (Alkali Metal Chloride)	$\leq 5.0\%$
CaSO_4	$\leq 0.05\%$
Mg	$\leq 0.2\%$
Pb (Heavy Metals)	$\leq 0.005\%$
Water Insoluble	$\leq 0.10\%$
Fe	$\leq 0.004\%$
Appearance	White Flakes



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- 25 kg bags
- 50 lb bags
- 1000 kg big bags (palletized)
- Customized packaging available

STORAGE & HANDLING

- Store indoors in a dry area; reseal opened bags immediately to prevent moisture uptake.
- Calcium Chloride is strongly hygroscopic; exposure to air will cause clumping.
- Product is stable for up to two years under suitable storage conditions.
- Mixing with water generates heat — take precautions during dissolution.

SAFETY

- Avoid inhalation of dust; use goggles and a dust mask in handling areas.
- Wear protective gloves and clothing to prevent irritation.
- In case of eye contact, flush with large amounts of water and seek medical attention immediately.