

77% TECHNICAL GRADE CALCIUM CHLORIDE FLAKES

Product Data Sheet

General Description

Technical grade calcium chloride is produced with special attention to quality and consistency. On request, a Certificate of Analysis can be provided with this product.

Applications

Technical grade calcium chloride is used in a multitude of applications within a wide variety of industries. It is used:

- In the oil industry to provide high density clear brine fluids.
- In water purification to precipitate fluorides, sulphates, and phosphates.
- As a safe secondary cooling agent for such applications as hockey rinks, construction projects, etc.
- As an additive in concrete to decrease setting time, especially in cold weather conditions.
- For dehumidification and water removal in domestic as well as industrial applications.
- As a calcium source in agriculture.

Availability

Technical grade calcium chloride flakes are produced in Finland. The product is available worldwide through our network of distributors in the following packaging options.

TECHNICAL GRADE CaCl ₂ PACKAGING		
Package	Dimensions LxWxH	Units
25 kg Bag	1080x1070x1050	42/Pallet
1000 kg Big Bag	1000x1000x1350	1
Bulk	N/A	N/A

TETRA Chemicals Europe

Sweden
Box 901, SE-251 09
Helsingborg, Sweden

Phone: +46 42 453 27 00
Fax: +46 42 453 27 80

Finland
Box 551, FI-67701
Kokkola, Finland

Phone: +358 6 8282 111
Fax: +358 6 8282 575

www.tetrachemicals.com

Safety and Handling

Calcium chloride is a strong salt. Protective clothing, rubber gloves and eye protection are recommended. Rubber safety boots should also be worn in work areas, since calcium chloride can damage leather. This product should be handled in areas with proper ventilation. Before using this product, refer to the MSDS (available on the Company's website) for complete safety and handling guidelines. For proper disposal guidelines for calcium chloride wastes, consult the appropriate local regulatory authorities.

Calcium chloride is a hygroscopic product and should be stored indoors on pallets at normal temperatures. If stored according to recommendations, the maximum shelf life is two (2) years.

PHYSICAL PROPERTIES

Appearance	White flakes
Odor	None
Bulk Density	800 to 900 kg/m ³

CHEMICAL PROPERTIES

	Specification	Typical Value
CaCl₂ Concentration	> 77%	78%
pH (in 10% CaCl₂ solution @ 20°C)	9 - 11	10.9
Insoluble in water	< 0.20%	0.03%
Na	< 1%	0.7%
Alkalinity as Ca(OH)₂	< 0.3%	0.2%
Mg	< 500 mg/kg	100 mg/kg
Fe	< 30 mg/kg	15 mg/kg
SO₄	N/A	< 0.05%

TYPICAL SIEVE ANALYSIS

Sieve	Approximate % Passing
6.3 mm	100
4 mm	90
2 mm	30
1 mm	10

Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's work-place and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. Further, nothing contained herein shall be taken as a recommendation to manufacture or use any of the herein described materials or processes in violation of existing or future patents.