

36% TECHNICAL GRADE LIQUID CALCIUM CHLORIDE

Product Data Sheet

General Description

Technical grade calcium chloride is produced with special attention to quality and consistency. Our ISO system ensures that our high standards are maintained and improved.

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 is produced in Finland, Sweden, the Netherlands and the U.S. It is available in several concentrations and delivery forms throughout the world.

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.

PHYSICAL PROPERTIES

Appearance	Clear to yellow
Odor	None
Crystallization Temperature	-7 °C
Typical Density at 20°C	1364 kg/m ³

CHEMICAL PROPERTIES

	Specification	Typical Value
CaCl₂ Concentration	> 36%	36.5%
pH (in 10% CaCl₂ solution @ 20°C)	9 - 11	10.1
Insoluble in water	< 0.05%	< 0.01%
Na	< 0.6%	0.3%
SO₄	< 0.05%	< 0.05%
NH₃	< 0.01%	< 0.01%
Fe	< 10 mg/kg	3 mg/kg

TETRA Chemicals Europe

Sweden	Finland
Box 901, SE-251 09	Box 551, FI-67701
Helsingborg, Sweden	Kokkola, Finland
Phone: +46 42 453 27 00	Phone: +358 6 8282 111
Fax: +46 42 453 27 80	Fax: +358 6 8282 575

www.tetrachemicals.com

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 workplace 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.