

# 30% 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

<b>Appearance</b>	Clear to yellow
<b>Odor</b>	None
<b>Crystallization Temperature</b>	Approx. -40°C
<b>Typical Density at 20°C</b>	1295 kg/m <sup>3</sup>

#### CHEMICAL PROPERTIES

	Specification	Typical Value
<b>CaCl<sub>2</sub> Concentration</b>	> 30%	NA
<b>pH (in 10% CaCl<sub>2</sub> solution @ 20°C)</b>	9 - 11	10.1
<b>Insoluble in water</b>	< 0.05%	< 0.01%
<b>Na</b>	< 0.6%	0.3%
<b>SO<sub>4</sub></b>	< 0.05%	< 0.05%
<b>NH<sub>3</sub></b>	< 0.01%	< 0.01%
<b>Fe</b>	< 10 mg/kg	3 mg/kg

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