



# TECHNICAL GRADE (UNTREATED) LIQUID CALCIUM CHLORIDE

## Product Data Sheet

TETRA  
CHEMICALS

### General Description

Technical grade untreated liquid calcium chloride ( $\text{CaCl}_2$ ) is an aqueous solution manufactured by solar concentration of natural brine. It is processed to remove most of the alkali salts and contains no additives.

### Applications

Technical grade untreated liquid calcium chloride is intended for use in a variety of applications. It is particularly well suited as a well completion fluid for drilling muds, for the prewetting of deicing salt, to promote roadway stabilization and in adding ballast in tires. It is also used in wastewater treatment to remove fluoride and as a dust control agent.

Technical grade liquid calcium chloride is not approved for use in food processing or as an accelerator in concrete.

### Availability

Technical grade untreated liquid calcium chloride is available on the U.S. West Coast. For the location nearest you, contact your TETRA sales or customer service representative.

### Safety and Handling

Calcium chloride when in solution is a strong salt solution. 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/colorless liquid
<b>Odor</b>	None
<b>Assay</b>	28 to 40% by weight $\text{CaCl}_2$
<b>Crystallization Temperature</b>	-38°F (-39°C) to 42.1°F (5.6°C)
<b>Specific Gravity @ 68°F (20°C)</b>	1.3785
<b>Bulk Density</b>	11.48 lb/gal

#### CHEMICAL PROPERTIES

<b><math>\text{CaCl}_2</math></b>	34 to 38% by weight
<b>pH</b>	4.1 to 6.7
<b>Impurities (on 100% <math>\text{CaCl}_2</math> basis)</b>	
<b>Total Alkali Chlorides (as NaCl)</b>	1.0 to 3.5% by weight
<b>Magnesium (as <math>\text{MgCl}_2</math>)</b>	0.8 to 3.4% by weight
<b>Degree Baume (@ 60°F)</b>	40 to 43
*Based on $\text{CaCl}_2$ determined in assay	

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