



Calcium Chloride Solution

SINGLE SALT BLENDS

Overview

Calcium Chloride Solution is a single-salt calcium chloride solution that is used as a completion, workover, or packer fluid.

It can be formulated to meet density and crystallization temperature requirements over the density range from 8.4 lb/gal to 11.6 lb/gal.

These blends are generally formulated using 11.6 lb/gal stock fluid (Calcium Chloride 11.6) and fresh water.

Features and Benefits

- Inhibitive properties can prevent hydration and migration of swelling clays.
- Can be blended with other clear brine fluids to achieve a specific density and crystallization temperature.
- Generally compatible with most oilfield elastomers.

Caution: Fluid additives, formation water and other contacting fluids should be screened for compatibility with the brine prior to use.

Physical Properties

Appearance	colorless liquid
pH	6.0 - 10.5
Specific gravity	1.0 to 1.391 @ 60°F (15.5°C)
Crystallization Temperature	-59 to 44°F (-50 to 7°C)

Packaging Information

Bulk Liquid

Recommended Treatment

Use the amount necessary for density adjustment. See blending tables or consult a TETRA representative for specific requirements.

Safety and Handling

Avoid skin and eye contact, inhalation or ingestion. For skin contact, wash with soap and large quantities of water. For eye contact, flush with large quantities of water. Use properly designed respirator if adequate ventilation is not available. Refer to the Safety Data Sheet for specific details.

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