



Calcium Chloride

20% Solution

Product Description:

Calcium Chloride solution, 18 - 23% CaCl₂ by weight, is generated by an evaporative process from liquid, mixed brine solution.

Industrial Applications for Calcium Chloride solution include deicing, ice prevention, concrete additive, and dust control.

Oilfield Applications for Calcium Chloride solution include:

- Clearwater drilling
- Water component of OBM and synthetic drilling fluids
- Completions spacer fluid (drive out mud prior to cementing)
- Fluid to set frac plugs
- General workover kill fluid
- Shut in fluid for CO₂ workovers
- Running gravel packs
- Keeping surface pipe/equipment from freezing

Packaging:

Calcium Chloride solution is available in 275 gallon IBC totes or in bulk.

Storage:

Calcium Chloride solution is hygroscopic in nature and should be stored in a low humidity environment. Containers should be kept tightly sealed when not in use. Prevent solution from freezing. Storage below 0°F is not recommended.

Properties:

Analyte	Average	Range
Calcium Chloride (wt. %)	20%	18-23%
Sodium Chloride (wt. %)	8%	6-14%
Strontium Chloride (wt. %)	2.5%	2-3%
Barium Chloride (wt. %)	0.9%	0.7-1.2%
Magnesium Chloride (wt. %)	0.25%	0-0.4%
Density (#/gal)	10.7	10.6-10.8
Specific gravity	1.28	1.27-1.30
pH	6.3	6.0-6.5

For more information on cost-effective wholesale supply of calcium-chloride based brine solution, please contact:
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