

# BROM Ca

## Weighting Agent

### Product Description

BROM Ca (CaBr<sub>2</sub>) brine, weighing 14.2 lb/gal (1,702 kg/m<sup>3</sup>) as a stock fluid, is used for clear-brine work over and completion fluids ranging from 8.4 to 15.3 lb/gal (1,007 to 1,833 kg/m<sup>3</sup>) or to be blended with heavier brines for higher-density applications.

### Typical Physical Properties

Physical appearance	Clear-to-amber liquid
Specific gravity	1.7
pH	Neutral
Viscosity	6 cps

### Application

BROM Ca brine is used during work over and completion operations that require densities from 8.4 to 15.3 lb/gal (1,007 to 1,833kg/m<sup>3</sup>). It provides inhibition preventing the hydration and migration of swelling clays and can be used for packer fluids or to adjust the density of other brine systems. BROM Ca brines can be formulated with various crystallization points and are available for special applications and winter use. BROM Ca can be used with sacked calcium chloride to obtain densities up to 15.3 lb/gal (1,833 kg/m<sup>3</sup>). When used with zinc bromide brine, densities to 19.2 lb/gal (2,301 kg/m<sup>3</sup>) can be achieved. Use gentle agitation when mixing for thorough dispersion. Note: Use the Blending Tables to obtain the desired density and crystallization point.

### Toxicity and Handling

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

### Packaging and Storage

BROM Ca is packaged in 55-gal (208-L) drums. Store in appropriate corrosion-resistant brine containers and keep closed and firmly sealed. It is a concentrated hygroscopic salt solution which will absorb water from the air, reducing density if not properly stored.

Important Note: These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and method of use of our product are beyond our control. We recommend that the prospective user determine the suitability of our material and suggestions before adopting them on a commercial scale.