

Calcium Bromide Brine

Calcium Bromide Brine 52% is used as a completion and workover fluid to control wellbore pressures in upstream oil & gas well operations. It can be used alone or mixed with calcium chloride and/or zinc/calcium bromide to achieve a clear, solids-free fluid over a wide range of densities and crystallization temperatures.

1. Typical Physical Properties

Properties	Specification
Appearance	Colorless to light yellow liquid
CaBr ₂ , %	≥52
Density (20°C, g/ml)	≥1.7
Chloride, %	≤1
Turbidity (NTU)	≤15
Sulphate, %	≤0.01
Heavy Metals (Zn, Pb, Hg, As and Cd), ppm	≤5
Iron, ppm	≤5
pH	7.0-8.5

2. Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

3. Packaging and Storage

- Packed in 1,000 liter IBC tank.
- Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and /or stacking.