

TECHNICAL DATA SHEET

Calcium Bromide (Dihydrate)

Calcium Bromide (Dihydrate) is a ready-to-use powder to form clear brine workover and completion fluids that require densities from 1,007 to 1,833 kg/m³ (8.4 to 15.3 lb/gal). It is intended for use where the cost of transporting Calcium Bromide brine makes its use uneconomical.

Typical Physical Properties

Appearance	Crystalline Powder
Assay (%)	96.0 min
Chloride (%)	1.0 max
pH, 5% aqueous solution	6.5 – 8.5
Water (%)	3.0 max

Application

Calcium Bromide (Dihydrate) is used for mixing high density, solid-free completion brines and workover fluids. It can be used to achieve rapid density increases with minimal volume increase. In solution, it has the same function as its liquid state. It is readily soluble and can be added to the system at rates limited only by the capabilities of the mixing equipment. Calcium Bromide (Dihydrate) can be used to formulate single salt brines or in combination with other dual valency salts to form brines of the required density.

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 Safety Data Sheet (SDS).

Packaging and Storage

Packed in 25kg PP Woven bags or 1MT bulk bags

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.

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