Solent Chemicals
Solutions for a better tomorrow

TECHNICAL DATA SHEET
Zinc-Calcium Bromide Liquid

Zinc-Calcium Bromide Liquid is often referred to as 54.5% zinc bromide and 19.5% calcium bromide. It is used for clear-brine workover, completion and fluids that require high density range of up to 2301 kg/m^3 (19.2 lb/gal). Being a high-density fluid, it can also be mixed with low-density brines to achieve specific density and crystallization point applications.

Typical Characteristics

Parameter	Specification
Appearance	Clear liquid
Assay, $CaBr_2$ (%)	20.0 – 25.0
Assay, $ZnBr_2$ (%)	50.0 – 55.0
Density @ 20°C (g/cm^3)	≥ 2.3
Chloride (%)	≤ 0.5
Sulfate (%)	≤ 0.05
pH, 5% aqueous solution	2.0 – 6.0

Application

- Possesses inhibition effect which helps prevent the hydration and migration of swelling clay – can be used as a packer
- Can be mixed with calcium chloride solution or calcium bromide solution to formulate and control the density and crystallization points for special application and winter use
- Stir gently when mixing for thorough dispersion

Packaging and Storage

Packaged in 2300 kg drum.

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.

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).

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Solent Chemicals Private Limited (Company Reg. No: 200914789R)
No. 12 New Industrial Road, #03 -02A Morningstar Center, Singapore 536202
Tel: (65) 6383 0138 | Fax: (65) 6383 5228 | admin@solentchem.com