

**COCREATE GLOBAL TECHNOLOGIES PRIVATE
LIMITED CIN: U21009KA2023PTC179006**

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



TECHNICAL DATA SHEET

Product Name: Calcium Bromide Solution

Chemical Formula: $\text{CaBr}_2 \cdot n\text{H}_2\text{O}$

CAS Number: 7789-41-5

Concentration: 52% w/w (Typical)

1. PRODUCT DESCRIPTION

Calcium Bromide 52% solution is a clear, colorless to pale yellow brine commonly used in oil and gas operations, especially as a **completion and workover fluid**. It offers excellent density and thermal stability, and is compatible with other halide brines.

2. TYPICAL PROPERTIES

Sr.No.	Test	Specification
1	Appearance	Clear Colourless Liquid to Light Yellow
2	Specific Gravity at 27°C	1.69-1.73
3	Neat pH at 27°C	6.0-8.0
4	Assay by Titration, Calcium Bromide % wt.	NLT 52.00 %
5	Chloride (Cl)	NMT 0.50%
6	Sulphate (SO ₄)	NMT 0.10%
7	Heavy Metals	NMT 10 PPM

3. APPLICATIONS

- Oil & Gas: Completion and workover fluids
- Drilling fluids for high-pressure, high-temperature (HPHT) wells
- Density adjustment in water-based and oil-based systems
- Corrosion inhibition (when properly formulated)

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4. PACKAGING

- 340 Kg HDPE Drums
- 1700 Kg IBC Tanks.

(Customizable as per client requirements)

5. HANDLING & STORAGE

- Store in a cool, dry, and well-ventilated area
- Use corrosion-resistant containers (e.g., HDPE or stainless steel)
- Avoid contact with skin and eyes
- Wear appropriate PPE (gloves, goggles, protective clothing)

6. SAFETY & REGULATORY

- Non-flammable
- Not classified as hazardous for transport
- Refer to SDS for detailed safety and first aid measures