# COMPLETION FLUIDS & ADDITIVES PRODUCT

## ZINC/CALCIUM BROMIDE/CALCIUM CHLORIDE SOLUTION

Multi-Salt Blends

### OVERVIEW

Zinc/Calcium Bromide/Calcium Chloride Solution is a three salt ($CaCl_2$/$CaBr_2$/$ZnBr_2$) brine fluid that is used as a completion, workover, or packer fluid. It can be formulated to meet density and crystallization temperature requirements over a density range from 15.0 lb/gal to 19.2 lb/gal. These blends are generally formulated using 14.2 ppg Calcium Bromide, 19.2 lb/gal, Calcium/Zinc Bromide, and Dry Calcium Chloride.

### FEATURES AND BENEFITS

- Inhibitive properties can prevent hydration that may lead to migration of swelling clays.
- Can be blended with other clear brine fluids to achieve a specific density and crystallization temperature.
- Generally compatible with most oilfield elastomers.

Caution: Fluid additives, formation water and other contacting fluids should be screened for compatibility with the brine prior to use.

### RECOMMENDED TREATMENT

- Use the amount necessary for density adjustment.
- See blending tables or consult a TETRA representative for specific requirements.

### SAFETY AND HANDLING

- Please refer to the product's Safety Data Sheet.

### PHYSICAL PROPERTIES

**Appearance**
Clear amber liquid

**pH**
< 4.0

**Specific Gravity**
1.8 to 2.30 @ 60°F (15.5°C)

**Crystallization Temperature**
Formulation dependent

### PACKAGING INFORMATION

**Bulk Liquid**

**Contact us to learn more at: www.onetetra.com**