



# ZINC/CALCIUM BROMIDE 19.2 CLEAR BRINE FLUID (CBF)

## Product Data Sheet

TETRA CHEMICALS

### General Description

Zinc/calcium bromide is a two salt ( $\text{CaBr}_2/\text{ZnBr}_2$ ) clear, solids-free brine fluid with a density of 19.2 pounds per gallon. It is used in completion fluids and offers the following features and benefits:

- It is nondamaging to the formation,
- It is thermally and chemically stable, and
- It can be blended with other solutions containing bromides and chlorides.

### Applications

Zinc/calcium bromide can be used with other bromides and chlorides to prepare nondamaging fluids with densities ranging from 15.1 lb/gal to 19.2 lb/gal.

### Availability

Zinc/calcium bromide is available in tank truck quantities from a variety of Gulf Coast plant locations.

### Safety and Handling

Zinc/calcium bromide is a strong salt solution. Protective clothing, rubber gloves and eye protection are recommended. Rubber safety boots should also be worn in work areas, since calcium chloride can damage leather. This product should be handled in areas with proper ventilation. Before using this product, refer to the MSDS (available on the Company's website) for complete safety and handling guidelines. For proper disposal guidelines for zinc/calcium bromide wastes, consult the appropriate local regulatory authorities.

PHYSICAL PROPERTIES	
<b>Color</b>	Straw to clear, transparent
<b>Clarity</b>	Clear
<b>Odor</b>	None
<b>Assay</b>	19.0 to 22.0% by weight $\text{CaBr}_2$
<b>Assay</b>	52.0% to 55.0% by weight $\text{ZnBr}_2$
<b>Crystallization Temperature</b>	20°F (-7°C)
<b>Bulk Density</b>	19.2 pounds per gallon

CHEMICAL PROPERTIES	
<b>Chemical</b>	$\text{CaBr}_2 / \text{ZnBr}_2$
<b>pH (1:10)</b>	5.0 to 7.0

#### TETRA Chemicals

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