

ZINC/CALCIUM BROMIDE 19.2 CLEAR BRINE FLUID (CBF)

Product Data Sheet

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 non-damaging 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 non-damaging 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 West Memphis, AR and a variety of Gulf Coast plant locations.

Safety and Handling

Zinc/calcium bromide is a strong salt solution. Wear appropriate protective, impervious clothing. Wear safety glasses with non-flexible side shields or chemical goggles for proper protection of the eyes. Wear appropriate protective non-leather protective gloves and boots. Chemical protective gloves and boots such as PVC or Nitrile are recommended. Leather products do not offer adequate protection and will dehydrate with resultant shrinkage and possible destruction. A respirator is not indicated under normal operating conditions. For misty conditions, wear a NIOSH-approved mist respirator. This product should be handled in areas with proper ventilation. Before using this product, refer to the SDS which is available on the Company's website for complete safety and handling guidelines.

PHYSICAL PROPERTIES	
Color	Straw to clear, transparent
Clarity	Clear
Odor	Odorless
Assay	19.0 to 22.0% by weight CaBr_2
Assay	52.0% to 55.0% by weight ZnBr_2
Crystallization Temperature	16°F (-9°C)
Bulk Density	19.2 pounds per gallon

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

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