

CLAPROTEK CF

CLAY CONTROL

Description

CLAPROTEK CF is an environmentally safe, *chloride free*, clay control additive. It is a liquid product designed specifically for use as a replacement for bag KCl (potassium chloride). CLAPROTEK CF is a very effective temporary stabilizer for smectite, illite and mixed layer clay minerals that are encountered in many hydrocarbon reservoirs. CLAPROTEK CF offers superior performance without the handling, mixing and disposal problems associated with bag KCl. The use of CLAPROTEK CF on the fly eliminates premixing and leftover saltwater disposal problems. Because CLAPROTEK CF is non-surface active, it does not effect wettability or cause emulsions. Toxicity tests conducted by an independent laboratory showed CLAPROTEK CF to be toxicologically safe. It has a low potential to accumulate in the membranes of biological organisms and was readily biodegradable in seawater.

Properties

Form: Liquid	Chemical Family: Quat. Amine Salt
Color: Clear, pale green	Solubility: Water, brine
Odor: Slight Amine	Wt. per Gal.: 9.12 lb
Charge: Cationic	Flash Point: None
Freeze Point: 0 °F	

Application

Recommended loading is 0.5-5.0 gal/Mgal fresh water, depending on mineralogy of the formation. CLAPROTEK CF can be run on the fly or batch mixed.

Compatibility

When CLAPROTEK CF contacts an acidic material, a rapid neutralization reaction occurs liberating carbon dioxide (CO₂) gas. Hoses used to transfer CLAPROTEK CF and storage tanks should be flushed with water if they have been in contact with an acid. CLAPROTEK CF is compatible with all known water based frac fluids, cross-linkers and breakers.

Handling/Storage

Keep drum tightly sealed to avoid contamination. Avoid contact with eyes, skin or clothing. Recommend use of splash goggles and rubber gloves. Refer to the Material Safety Data Sheet (MSDS) for handling and hazard data.

Packaging

CLAPROTEK CF is available in 55 gal. poly drums, 330 gal. totes or bulk transport loads.