



Drilling Fluids, Inc.

Commercial Chemical

CHLORINE BLEACH

Description

CHLORINE BLEACH (Sodium hypochlorite, NaOCl) is a Polymer oxidizer for drilling, completion and work over cleanup. It is effective in degrading most polymers used for viscosity.

Uses

CHLORINE BLEACH is used to degrade the viscosity of various polymers, allowing them to be flushed from the formation. HEC and Xanthan polymer treated systems are reduced to virtually the viscosity of fresh water.

Benefits

The use of CHLORINE BLEACH reverses the formation damage done by high viscosity polymer fluids. CHLORINE BLEACH is cheaper than SDIC or Lithium Hypochlorite but reacts slower and requires higher treatment levels.

Treatment

5 gallons per 100 barrels or 2 pounds per barrel of CHORINE BLEACH is spotted across the formation and allowed to sit for up to 24 hours. Polymner degradation is enhanced by temperature and is virtually instantaneous at bottom hole temperatures of greater than 150° F. Moving the spot occasionally enhances the effect.

Function

CHLORINE BLEACH reduces the organic polymer chains into small units until the no longer have the ability to bridge across pore throats.

Typical Physical Properties

Appearance..... Straw Yellow Liquid Solution
Odor.....Slight Bleach
Hygroscopic..... yes
Specific Gravity.....1.20
pH.....11.2-11.4
Freezing Point.....-20°F

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Use of appropriate respirator, gloves, goggles, and apron is recommended for employee comfort and protection. See Material Safety Data Sheet (MSDS) for this product prior to use.



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Packaging

CHLORINE BLEACH (Continued)

CHLORINE BLEACH is packaged in 5 Gallon 50 pound non-returnable buckets.