



Drilling Fluids, Inc.

Specialty Product

SDIC

Description

SDIC is an oxidizer for polymer drilling, completion and work over cleanup. It is effective in degrading most polymers used for viscosity.

Uses

SDIC degrades the kinematic viscosity of various polymers, allowing them to be flushed from the formation. HEC and Xanthan polymer treated mud systems are reduced to virtually the absolute viscosity of fresh water.

Benefits

The use of SDIC reverses the formation damage done by high viscosity polymer fluids. SDIC works faster and more completely than Sodium Hypochlorite or Lithium Hypochlorite at significantly lower treatment levels.

Treatment

One to two pounds per barrel of SDIC is spotted across the formation and allowed to sit for up to 24 hours. Polymer 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

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

Typical Physical Properties

Appearance.....free flowing white, crystalline powder
Hygroscopic.....yes
pH.....6.8—7.1
Bulk Density.....57—59 lb/cu.ft.

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.

Packaging

SDIC is packaged in 100 pound non-returnable buckets.