

## CLAYFLOC

### Product Description

CLAYFLOC® shale stabilizer is a liquid high-molecular-weight synthetic polymer used to flocculate reactive clay and reduce dispersion of sensitive shales exposed to water-based drilling fluids. It is suitable in fresh water, seawater and monovalent brines up to 300°F. CLAYFLOC® works to attract colloidal particles to form larger aggregates that are more readily removed by solids control equipment. It is specially used in polymer-based mud systems at pH below 10.

### Applications/Functions

- Flocculate reactive clay and reduce dispersion of sensitive shales
- Powerful flocculant when small amount of calcium is present
- Helps to remove drill solids

### Advantages

- Temperatures stable up to 300°F
- Easily mixed with rapid yield
- Improves rheological properties by lowering MBT and colloidal content
- Lubricates filter cake and improves cuttings integrity

### Typical Properties

- Appearance: Creaming liquid
- Specific gravity: 1.1
- pH: 6.5-8

### Recommended Treatment

- Add 0.25-0.5 ppb as a selective flocculant for clear water drilling
- Add 0.5-1 ppb for troublesome shales in a water-based system

### Package

- 5 GAL PAIL

