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# ClayCutter

ClayCutter is a cationic polysaccharide-based clay inhibitor. Its use will reduce bit balling, clay accumulation and sticking problems experienced when drilling in reactive clay soils. The product can be used in clay or non-clay based systems and is non-hazardous.



## Preparation for Usage

ClayCutter is available in dry or liquid form. In dry form has the advantage of rapid hydration without the need for heating. Vigorous low shear mixing or high shear mixing is helpful in preventing the typical lumping associated with highly water soluble materials. Typical recommended dosage is 0.75-1 lb (active) per 100 gallons clay slurry.

## Benefits of Use

ClayCutter should be used from the beginning of the drilling process, from pilot holes through completion

- Friction reduction during drilling
- Reduced or absent bore swelling
- Reduced pull back pressures
- Reduced torque requirements
- Increased hole cleaning (returns)
- Maintains filtrate loss and viscosity performance

## Environmental

Based on a bio-polymer, ClayCutter is fully biodegradable after use, but maintains its performance throughout the drilling process. NSF ANSI 60 approval is pending.

## Typical Characteristics

- Appearance Off White to tan powder
- Ionic Character Cationic
- Moisture <12%
- pH 8-10
- Density 1.3

## Applications

- Oil and Gas Drilling
- Horizontal drilling
- Water treatment flocculant

## Environmental

- Fully biodegradable

## Packaging and Product Form

- 50 lb paper sacks
- 25 lb pails (dry)
- 45 lb pails (liquid)
- 2500 lb totes (liquid)