

# CLAY-STAR



CLAY-STAR liquid is designed for use as a permanent clay/shale stabilizer. The product provides excellent shale and clay control and greatly reduces bit balling and mud rings. CLAY-STAR is compatible with all drilling fluids and bentonite, synthetic polymers and biopolymers.

## Application

CLAY-STAR is used as a permanent solution to reactive or swelling clay and eliminates the need for detergent or thinning agents. The concentration will vary depending on the reactivity of the clay or shale encountered.

## Advantages

- Excellent shale and clay inhibition when used as directed
- Soluble in all water-based mud systems
- Mixes easily and immediately controls clay/shale swelling

## Typical Usages

Typical Amounts of CLAY-STAR Added to freshwater	
Drilling Application	% by volume
Reactive Clay/Shale	0.05 – 0.2
Clay/Shale	0.1

## Typical Properties

Physical Appearance	Liquid, light yellow
Specific Gravity	1.07
pH (10% solution)	6.5 – 7.5
Pour point	-20°F (-28.9)

## Packaging

CLAY-STAR is packaged in 5 gallon (18.9L) buckets