

# CLAYSPERSE L

Thinner and Dispersant

## SYNTHETIC POLYMER THINNER

**Earth Pro Claysperse L** is an anionic liquid dispersant and thinner for water based drilling fluids. It is primarily used for deflocculation of drill solids and as a bentonite thinner. It can also be used as a filter cake enhancer. It is best suited for fresh water systems with mud weight below 1200 kg/m<sup>3</sup> (10lb/gal).

## FEATURES & BENEFITS

- Reduces viscosity in drilling fluid.
- Can be utilized for wellbore cleanup prior to production.
- Used to treat some contaminants in bentonite slurries.
- Aids in well cleanup for water well or environmental reasons.

## PHYSICAL PROPERTIES:

**Appearance:** Amber liquid  
**Concentration:** 0.25-3 L/m<sup>3</sup>

## CHEMICAL PROPERTIES:

**Type:** Synthetic polymer  
**pH:** 7.0-7.5  
**Solubility:** Soluble in water  
**Ionic Charge:** Anionic



## MIXING & HANDLING

Mix **Claysperse L** after mixing regular drilling additives such as viscosifying polymers. Add in batches at the suction side of the mud tank to create a sweep effect in the wellbore.

**Earth Pro Claysperse L** will thin back most drilling fluids and is most effective when mixed and pumped in only water or in polymer systems. Effectiveness will be reduced in bentonite slurries. When mixing in whole mud do so after the polymer has hydrated.

Under normal drilling conditions if a sticky clay seam is encountered add 2-3L/m<sup>3</sup> (0.5-1 gal/250 gal) of fluid. If a mud ring is suspected add 2 visc cups of **Claysperse L** directly into the tool joint when making a connection.

In a recycled closed loop system if used as a thinner add sparingly at the front end of the system and check viscosity in the suction end regularly so as to not over treat.

**Concentration:** 0.25-1 L/m<sup>3</sup> (8-32oz/250gal) is more than sufficient. Too much will result in an increase in apparent viscosity as it will begin to flocculate the mud.

**WHMIS:** Not controlled

**TDG:** Not regulated

**Packaging:** 20 L (5.3 gal) pail