

## INFORMATION

# POLYTROL-1000

SYNTHETIC POLYMER

### DESCRIPTION

POLYTROL-1000L and POLYTROL-1000P are liquid and dry forms respectively, of an anionic, high molecular weight, water-soluble synthetic polymer which performs a variety of functions in drilling fluids.

POLYTROL-1000L is a white liquid dispersion of polymer in a non-aqueous medium. As such, it is not subject to freezing, and has excellent long-term storage stability. POLYTROL-1000P is a white, finely divided solid.

### APPLICATION

POLYTROL-1000 is an excellent shale stabilizer/encapsulator, and forms an impervious film on the wellbore walls and on shale cuttings, inhibiting hydration. This reduces sloughing and clay swelling.

POLYTROL-1000 thus allows faster, cleaner drilling with KCl, salt, and fresh water systems.

An important secondary function of POLYTROL-1000 is fluid loss control. Used in conjunction with VISFLO, DRISPAC, or CMC, POLYTROL-1000 can reduce consumption of these cellulose products by 50% while providing equivalent filtration control and superior shale stabilization.

POLYTROL-1000 gives excellent core recovery and quality when used in coring fluids.

POLYTROL-1000 is also an effective foam stabilizer for foam drilling. POLYTROL-1000 is an excellent friction reducer for water-based workover and completion fluids. The product reduces power requirements by 40-60% by retarding the onset of turbulent flow.

**RECOMMENDED TREATMENT**

For shale stabilization and fluid loss control in drilling fluids, 0.2 - 0.6 ppb (0.6 - 1.7 kg/m<sup>3</sup>) of POLYTROL-1000P, with treatments approximately 80% higher for POLYTROL-1000L. As a friction reducer, 0.1 - 0.3 ppb of dry material, 0.2 - 0.5 ppb for the liquid.

**PACKAGING**

POLYTROL-1000P is packaged in 50 lb poly-lined, multi-wall bags. POLYTROL-1000L is packaged in 5 gal pails or 25 litre jugs.

POLYTROL-1000 is a Messina trademark