POLYTROL HT

P726.9503

WBM Drilling

Product Description

POLYTROL HT is a very low molecular weight anionic, acrylate-based polymer supplied as a fine powder. It has excellent handling characteristics, mixes easily and dissolves quickly when added to water-based fluid systems.

Product Function

POLYTROL HT reacts with clay particles to form a thin, flexible filter cake along the well bore, thereby reducing fluid loss to the formation. It is thermally stable to temperatures in excess of 375°F. It reduces gel strengths and yield point with little effect on the plastic viscosity. It also improves the fluids carrying capacity, helps reduce friction and contributes to the inhibition/encapsulation of drilled solids. It is extremely effective at controlling fluid loss in high density drilling fluids in a high temperature environment. Although POLYTROL™ HT is most commonly used in fresh water systems, it can also be used in brackish or seawater systems.

Features and Benefits

POLYTROL HT is designed to provide fluid loss control in low and high density fluids with minimal effect in rheology. It is effective in fresh water and salt brines. Exhibits thermal stability to temperatures in excess of 190? C (375?F).

Recommended Treatment

Treatment rates for POLYTROL HT are normally in the range of 1.5–8.6 kgs/m³ (0.5.0–3.0 lbs/bbl) and will be dependent upon concentration of the solids in the drilling fluid. Hardness due to calcium and magnesium should be maintained at less than 400 ppm.

International Shipping References

Transportation of POLYTROL HT is not restricted by any regulatory agency.

Standard Packing

POLYTROL HT is packaged in 25 kg multi-walled paper sack.

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Utilize appropriate respirator, gloves, goggle and apron. Refer to the Material Safety Data Sheet (MSDS) for this product prior to use.

Typical Physical Properties

- Physical State: Solid
- Reservoir Compatible: Non-Reservoir
- Sub Category: Polymeric
- SG value: 1.1
- pH (2% solution): 9.5 - 10.5
- Max Temperature: 375
- Category: Filtration Control
- Product Tier: Regular
- Appearance: Off-white free flowing granular powder
- Moisture %: 5 max

+971 2 610 7000
info@ppc.ae | www.ppc.ae
Abu Dhabi | UAE

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