HEC

P1403.9305

WBM Drilling

Product Description

HEC is nonionic high molecular weight hydroxyethyl cellulose designed specifically to viscosify water base fluids.

Product Function

The principal use of HEC is the attainment of viscosity in drilling, completion and work over fluids. Fluids viscosified with HEC will exhibit high apparent viscosity, high yield point and low fragile gel strengths.

Features and Benefits

HEC is non–damaging and effective as a viscosifier to 100?C (212 ?F). HEC is tolerant to salt contaminants and is stable over a broad pH range. HEC is shear thinning, has low gel strengths and can be mixed rapidly when preparing viscosity sweeps for cleaning large diameter surface holes.

Recommended Treatment

Concentrations of 1.0–2.0 lbs/bbl (2.8–5.6 kgs/m³) are required to provide viscosity in circulating systems. Higher concentrations are required when utilizing high viscosity sweeps.

International Shipping References

Transportation of HEC is not restricted by any regulatory agency

Standard Packing

HEC is packaged in 25 kgs multiwall paper sack.

Safe Handling Recommendations

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

Typical Physical Properties

- Physical State: Solid
- Reservoir Compatible: Both
- Sub Category: Polymeric
- SG value: 1.33
- pH (1% solution): 6 - 8
- Max Temperature: 280
- Category: Viscosifiers
- Product Tier: Regular
- Appearance: Off-white free flowing powder
- Bulk Density Kg/m³: 600 - 800

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