BIOPOLY E

P1402.9304

WBM/OBM Drilling

Product Description

BIOPOLY E is a technical grade polysaccharide (xanthan gum) used to viscosity water base drilling and completion fluids.

Product Function

BIOPOLY E is used in drilling and completion fluids to enhance their rheology, ensuring efficient hole cleaning and effective suspension properties.

Features and Benefits

BIOPOLY E provides good suspension properties restricting the settlement of weighting agents and drilled cuttings. BIOPOLY E is shear thinning and promotes low bit viscosity needed to maximize penetration rates, and high annular viscosity to ensure effective hole cleaning. BIOPOLY E is stable over a wide pH range and its effective in saturated brines as well as fresh and sea water base drilling fluids.

Recommended Treatment

The effective concentration of BIOPOLY E required will depend upon the base fluid being treated. Treatment levels are normally in the range of 0.50– 2.0 lb/bbl (1.5 –5.71 kg/m³)

International Shipping References

Transportation of BIOPOLY E is not restricted by any regulatory agency

Standard Packing

BIOPOLY E is packaged in 25 kg 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: Xanthan Gum
- SG value: 1.5
- pH (1% solution): 6 - 8
- Max Temperature: 275
- Category: Viscosifiers
- Product Tier: Premium
- Appearance: Off-white free flowing powder
- Bulk Density Kg/m³: 600 - 800

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