

PHPA L

P1205.9307

WBM Drilling

Product Description

PHPA™ L is an emulsion of a high molecular weight partially hydrolyzed polyacrylamide polyacrylate (PHPA) in mineral oil.

Features and Benefits

PHPA™ L functions as an inhibitor by coating or encapsulating formations and cuttings. PHPA™ L restricts the interaction of water with hydratable and dispersible shales. PHPA™ L minimizes the occurrence of tight hole and washouts as well as preventing bit and stabilizer balling. PHPA™ L can be used as a flocculant in clear water drilling. PHPA™ L provides lubricity in low pressure conditions. PHPA™ L is stable in monovalent salt such as NaCl, KCl etc.

International Shipping References

Transportation of PHPA™ L is not restricted by any regulatory agency.

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: Liquid
- Max Temperature: 350
- Reservoir Compatible: Non-Reservoir
- Category: Shale Stabilizers
- Sub Category: Encapsulator
- Product Tier: Regular
- SG value: 1.06
- Appearance: Opaque cream coloured viscous liquid
- Active Material: 35 min
- Specific Gravity (25 °C): 1.05 - 1.07
- Flash Point: >65 °C

Product Function

PHPA™ L copolymer emulsion is used to stabilize reactive clay and shale formations. PHPA™ L provides high degree of clay and shale inhibition in conjunction with sodium and potassium chloride in fresh water and sea water muds.

Recommended Treatment

A concentration of 1–4 lbs/bbl (2.8–11.4 kgs/m³) is added to the mud system as required. An excess should always be available to react with wellbore and the cuttings generated. The actual amount added will depend upon the solids content of the drilling fluid and the reactivity of the formations to be drilled.

Standard Packing

PHPA™ L is packaged in HDPE pail containing 25 kgs net weight.

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DRILLING FLUIDS SOLUTIONS
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