PETROGUARD

P9004.0703

WBM Drilling

Product Description

PETROGUARD is a low molecular weight, highly cationic liquid polyamine supplied as a highly active aqueous solution.

Product Function

PETROGUARD functions primarily as a shale inhibitor or encapsulator. PETROGUARD can also be used as a clay stabilizer in workover and completion fluids, fracturing fluids and acidizing treatments.

Features and Benefits

PETROGUARD protects water sensitive shales and clays by decreasing the shale's tendency to absorb water, swell and slough-off. It improves borehole stability and helps promote gauge hole. As additional benefits, fluid loss and bit balling are often reduced when using this product. Due to its low molecular weight, PETROGUARD will have little, if any, effect on the rheology of a drilling fluid, i.e. viscosity, while still affording excellent shale inhibition.

Recommended Treatment

A typical dosage rate is 1.0 – 2.0 ppb as supplied. However, dosage rates of up to 3.0 – 5.0 ppb may be required depending upon the reactivity of the shale and the amount of shale to be drilled.

International Shipping References

Transportation of PETROGUARD is not restricted by any regulatory agency.

Standard Packing

PETROGUARD is supplied in bulk, 275 gal. non-returnable semi-bulk containers, or 55 gal. non-returnable plastic drums.

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
- Reservoir Compatible: Both
- Sub Category: Cationic Polyamine
- SG value: 1.09
- Specific Gravity (25 ?C): 1.08 - 1.10
- pH (1% solution): 5.0 - 6.5
- Freezing Point: -7 ?C
- Max Temperature: 0
- Category: Shale Stabilizers
- Product Tier: Regular
- Appearance: Amber Liquid
- Viscosity (neat) @ 25 ?C: 80 - 120 cP
- Flash Point: >100 ?C
- Solubility in water: Infinite

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

PETROCHEM
DRILLING FLUIDS SOLUTIONS
A MAZRUI ENERGY SERVICES COMPANY

Petrochem Performance Chemicals Limited LLC believes in good faith that the information presented in this bulletin is accurate and reliable. No other representation or warranties are given or made in relation to the information or the products of whatsoever nature, and Petrochem Performance Chemicals Limited LLC assumes no responsibility for advice or recommendations made herein or any other information disseminated concerning this product. Petrochem Performance Chemicals Limited LLC will replace or issue credit for the purchase price of any product determined to be defective at delivery. Under no circumstances shall Petrochem Performance Chemicals Limited LLC or its responsible personnel be liable for any special or consequential damages whatsoever.