FCL

P401.9303

WBM Drilling

Product Description

FCL (ferrochrome lignosulphonate) is a thinner for water base drilling fluids, which conforms to OCMA DFCP 8 specification.

Product Function

FCL is used to prevent salt flocculation of bentonite and controls rheology in high, low solids and salt based drilling fluids. FCL minimizes the effects of high temperature gelation.

Features and Benefits

FCL is an effective deflocculant in a wide range of water base drilling fluids systems. FCL is effective at temperatures in excess of 150oC (302oF). FCL provides fluid loss control and acts as an emulsifier of oil in water base drilling fluids.

Recommended Treatment

Recommended treatment for F C L is generally 0.5–8.0 lbs/bbl (1.4–23.0 kgs/m³) depending upon solids content and degree of salinity. A pH range of at least 9 is required to ensure product solubility and effectiveness.

International Shipping References

Transportation of FCL is not restricted by any regulatory agency.

Standard Packing

FCL 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: Non-Reservoir
- Sub Category:
- SG value: 1.1
- pH (1% solution): 3 - 5
- Max Temperature: 302
- Category: Defloc./Thinners
- Product Tier: Regular
- Appearance: Dark brown free flowing powder
- Bulk Density: 570 - 630 kg/m³

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