

FinoCLEAN

Microemulsion cleaner for tar or oil removal from metal or rock surfaces

Description

FinoCLEAN X is a thermodynamically stable microemulsion composed of surfactants and solvents in water. FinoCLEAN X is miscible with water and can be added to spacers as a single additive producing a clear solution that can be used to remove oily residue of synthetic oil-based drilling fluids (SBM/OBM). Unlike traditional surfactants and solvents utilized to improve mud removal, FinoCLEAN X remains uniformly dispersed in water or spacers, providing greater mud removal efficiency. Laboratory data demonstrate the effectiveness of FinoCLEAN X in removing tar oil or synthetic-base mud while aggressively removing the oily layer and water-wetting the casing and the borehole.

FinoCLEAN X is non-corrosive at pH 6-7 and contains plant derived solvents. The product can be used to clean drilling rigs or replace traditionally used diesel oil in cleaning operations. If applied in a closed system, FinoCLEAN X solutions can be reused.

FinoCLEAN GREEN is also available, which contains biodegradable ester solvents and is alkylphenol derivatives or VOCs free.

Applications

- Removes fats, heavy oils, asphaltenes or tars from any surface
- General cleaning surfactant and spills cleaner in refineries or pads
- Sprinkled on oily surfaces before pressure washing improves washing efficiency
- To achieve a complete cleaning of wellbore or piping, a solution of FinoCLEAN X should be circulated through the system for sufficient time.
- Depending on a job severity FinoCLEAN X can be used as 5-50% solution.

Benefits

- Universal cleaning agent replacing costly solvent cleaners
- Easily mixes with water or water-base spacers producing clear solutions
- Produces stable emulsions with sea water
- Saves pumping time and costs by combining solvent and surfactant
- Maintains excellent fluid stability after mixing
- Enhances production by dissolving wax deposits
- Can be used at temperatures ranging from 30 to 300°F

Laboratory Testing – Cleaning Efficiency

FinoCLEAN X effectively removed all oil-based mud or tar oil present on the sleeve (Figures 1 through 4). The fluid showed a cleaning efficiency of 100%. Viscometer sleeve used as matrix.



Figure 1. Sleeve dipped in OBM for 1 min

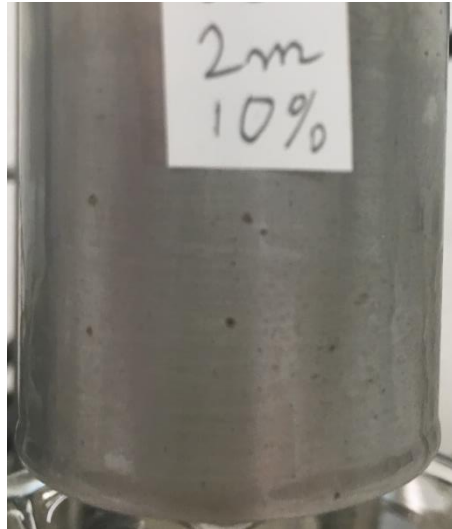


Figure 2. Sleeve exposed for 2 min to 10% water solution of FinoCLEAN X



Figure 3. Sleeve covered with tar oil.

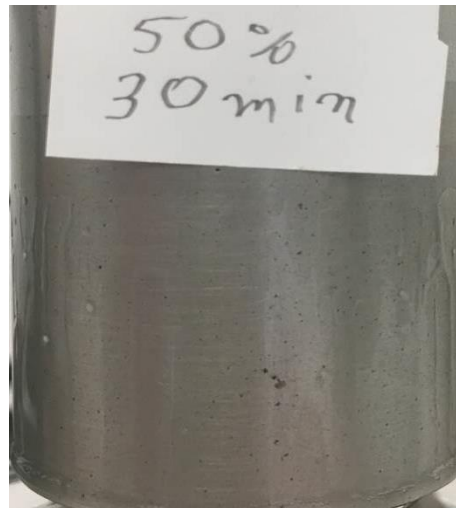


Figure 4. Sleeve exposed for 30 min to 50% water solution of FinoCLEAN X

Typical Dosage

FinoCLEAN X concentration varies from 5% to 50% in volume of water.

Packaging

FinoCLEAN X is packaged in 55 gallon drums or 330 gallon totes.



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Availability

Global from Houston, TX – USA, Midland, TX – USA and Bombay, India.