

Product Description

DF-Detergent™ is a drilling detergent which is aqueous blend of surface-active agents proprietary blend of anionic surfactants is specially formulated for use in fresh water, salt water, and in low-solids drilling fluids as a wetting agent. It is designed to reduce the surface tension of all water-base mud systems and.

Application Areas

- Maintain the drill bit clean.
- Reduce the sticking tendency of water-sensitive shale cuttings .
- Reduce wall packing, bit balling , and formation of mud rings.
- **DF-Detergent™** frequently reduces torque and drag, even when no oil is present in the system.

Advantages

- Effective in low concentrations
- Improves water-wetting action on all solids, reduces surface tension to prevent drilled cuttings from adhering to the drill string.
- Easy to mix with water, Biodegradable ,environmentally responsible.

Properties

- AppearanceColorless pale yellow
- Specific gravity0.99 – 1.01
- pH (1 % solution).....8 – 9
- Flash point, PMCC °C Pour point, °C >100°C
- Solubility in water..... 100 %

Recommended Treatment

- Normal treatments range from 0.1 to 0.2 lb/bbl and provide satisfactory performance under most conditions.
- In severe sensitive shale areas, 4 to 6 lb/bbl (11.4 to 17 kg/m3) concentrations of **DF-Detergent™** are recommended to minimize bit and BHA balling;
- **DF-Detergent™** is effective in all water-base systems including freshwater, brackish water, seawater and saturated saltwater fluids.

Packing and storage

- **DF-Detergent™** is packaged in 5-gal (18.9-L) cans and 55-gal (208-L) drums or according to customer request.
- Store in a dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles.
- Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

Safe Handling

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.