

ECOTROL F

ECOTROL F* filtration-control additive can be used in all oil- or synthetic-base mud systems.

This product has been designed to be readily dispersible into a fluid system through standard mixing equipment, thus minimizing the potential for polymer ‘fish -eyes.’ The product is especially designed to complement the emulsifiers of oil - and synthetic -base mud systems to provide tight high-temperature, high-pressure (HTHP) fluid loss control at a low product concentration. The product has excellent dispersion and solubility in paraffins even at low temperatures and does not plug down hole screens. ECOTROL F filtration-control additive is effective in 100% oil applications at temperatures up to 191° C (375° F).

Typical Physical Properties

Physical appearance	White, free-flowing powder
Odor	Odorless
Specific gravity.....	1.03
Solubility in water	Non-soluble
Solubility in oil-base fluids	Swells in most base oils

Applications

ECOTROL F filtration-control additive can provide economical fluid-loss control in all oil- or synthetic-base drilling fluid systems but is particularly suited to paraffin based systems. ECOTROL F additive reduces the HTHP fluid loss at temperatures up to 191° C (375° F). ECOTROL F additive is an effective replacement or supplement to VERSATROL* filtration-control additive. ECOTROL F filtration-control additive is added at concentrations between 2.9 to 11.4 kg/m³ (1 to 4 lb/bbl) depending on the fluid-loss-control requirements.

Based on unique technology, ECOTROL F filtration-control additive has been modified to provide superior high shear stability without polymer degradation.

ECOTROL F filtration-control additive contributes to the rheology of the fluid by keeping the low-shear viscosity elevated and maintaining some suspension capability of the mud in HTHP conditions.

The product has excellent dispersion and solubility in paraffins even at low temperatures and does not plug down hole screens.

Finally, ECOTROL F filtration-control additive enhances the required synergy between organophilic clays and traditional filtration-control additives in order to obtain optimum HTHP fluid-loss performance.

Advantages

- Reduces HTHP fluid loss at temperatures up to 191° C (375° F)
- Supplemental additive for rheology enhancement
- Easily mixes through the mixing hopper with less tendency to agglomerate (fish-eyes)
- Good dispersion and solubility in paraffins even at low temperatures and does not plug down hole screens.

Limitations

- Overtreatment can cause increased viscosity in a high-density fluid
- Pilot testing is suggested prior to adding to the active system

Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

ECOTROL F filtration-control additive is packaged in 25 kg (55.1 lb) multi-wall, paper sacks.

Store in dry, well-ventilated area. Keep container closed. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.



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P.O. Box 42842
Houston, Texas 77242-2842
www.miswaco.slb.com
Email: questions@miswaco.slb.com