

Ecotrol RD

ECOTROL is fluid-loss control in all oil- or synthetic based drilling fluid systems

Based on unique technology, ECOTROL RD additive has been modified to provide superior high shear stability without polymer degradation. The additive contributes to the fluid rheology by keeping the low-shear viscosity elevated and maintaining some suspending capability of the mud under HPHT conditions.

The additive provides the required synergy between organophilic clays and traditional filtration-control additives to derive the best HPHT fluid-loss performance.

Typical Physical Properties

Physical appearance: White, free-flowing powder

Odour: Odourless

Specific gravity: 1.03

Solubility in water: Non-soluble

Solubility in oil-base fluids: Swells in most base oils

Applications

ECOTROL RD* filtration-control additive can provide economical fluid-loss control in all oil- or synthetic-based drilling fluid systems. This additive reduces HPHT fluid loss at temperatures up to 375 degF [191 degC]. It is an effective replacement or supplement to VERSATROL* asphaltic resin.

ECOTROL RD additive is added at concentrations between 0.5 to 4 lb/bbl [1.4 to 11.4 kg/m³] depending on the fluid-loss-control requirements.

Advantages

- Reduces HPHT fluid loss at temperatures up to 375 degF [191 degC]
- Acts as a supplemental additive for rheology enhancement
- Easily mixes through the mixing hopper with less tendency to agglomerate (fisheyes)

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Limitations

- Can tend to cause increased viscosity if overtreated in a high-density fluid
- Suggest pilot testing prior to adding to the active system
- Is less effective in diesel-oil or paraffin-based mud systems. Recommend readily dispersible filtration reducer for use in diesel-based systems and ECOTROL F* filtration-control additive in paraffin-based systems

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 RD additive is packaged in 55.1-lbm [25-kg] multiwall paper sacks. Store in a dry location away from sources of heat or ignition and minimize dust

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