ECOTROL RD 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. ECOTROL RD 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 RD filtration-control additive can provide economical fluid-loss control in all oil- or synthetic-base drilling fluid systems. ECOTROL RD additive reduces the HTHP fluid loss at temperatures up to 191°C (375°F). ECOTROL RD additive is an effective replacement or supplement to VERSATROL filtration-control additive. ECOTROL RD filtration-control additive is added at concentrations between 5.7 to 11.4 kg/m³ (2 to 4 lb/bbl) depending on the fluid-loss-control requirements.

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

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

Finally, ECOTROL RD filtration-control additive provides the required synergy between organophilic clays and traditional filtration-control additives in order to get the best 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)

Limitations

- Can tend to cause increased viscosity if overtreated in a high-density fluid
- Pilot testing is suggested prior to adding to the active system
- Not as effective in diesel-oil or paraffin-base mud systems. Recommend MEGATROL™ for use in diesel-oil-base systems and ECOTROL™ in paraffin-base systems.

Toxicity and Handling

Bioassay information is available upon request.

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

Packaging and Storage

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

Store in a dry location away from sources of heat or ignition, and minimize dust.