ECOTROL L filtration-control additive can be used in all paraffin-, mineral oil-or synthetic-base drilling fluid systems.

This product is a liquid emulsion that can be added to the system through standard mixing equipment and passes through rig shakers with minimal retention. This additive is designed to provide high-temperature, high-pressure (HTHP) fluid loss control at low product concentrations with minimal impact on rheology and electrical stability (ES). Owing to its capacity to reduce fluid loss quickly, ECOTROL L agent is ideal for use during logging and coring operations. ECOTROL L additive is thermally stable to temperatures up to 375 degF (191 degC).

**Typical Physical Properties**
- **Physical appearance** ................................................................. White liquid
- **Odor** .......................................................................................... Mild
- **Solubility in water** ...................................................................... Miscible
- **Specific gravity** ......................................................................... 1.02-1.03
- **Flash point** ............................................................................... Non-flammable

**Applications**
ECOTROL L filtration-control additive provides cost-effective fluid-loss control in all paraffin-, mineral oil-or synthetic-base drilling fluid systems. It reduces the HTHP fluid loss and is temperature stable up to 375 degF (191 degC). The addition of ECOTROL L additive produces a rapid reduction in HTHP fluid loss, thus making it very beneficial for use in logging and coring operations. ECOTROL L filtration control additive is added at concentrations between 0.5 – 2.0 lb/bbl (1.43 – 5.7 kg/m³) with minimal impact on rheological properties and ES.

ECOTROL L product is a liquid emulsion and passes through the shakers with minimum retention. Consequently, unlike solid filtration-control agents, the ability of ECOTROL L product to pass freely minimizes the volume the rig shakers remove.

ECOTROL L additive has to be stored above 32 degF (0 degC) and should not be used if subjected to freezing temperature. If the product freezes, it will solidify and will not reconstitute, becoming totally ineffective.

Pilot testing is strongly recommended for all initial applications and subsequent treatments to determine any effects on the rheological properties of the mud system.

ECOTROL L additive can be added directly to the mud system through the mixing hopper.

**Advantages**
- Temperature stable up to 375 degF (191 degC)
- Reduces HTHP fluid loss quickly
- Easily mixes through mixing hopper
- Passes through shakers with minimum retention
**Limitations**
- Can cause a slight decrease in gel strength
- Pilot testing is suggested prior to adding to the active system
- Should not be used if subjected to freezing temperature as it will solidify if frozen and become totally ineffective

**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 L additive is available in 55-gal (208-L) drums.

Store in a dry, well-ventilated area. Store above 32 degF (0 degC). 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.