Lost Circulation & Fluid Loss Control

TROL LV

Product Number
9410045

Applications

Trol LV controls fluid loss in freshwater, seawater, KCl and salt muds. It forms a thin, resilient, impermeable filter cake which minimizes the potential for differential sticking and the invasion of filtrate and mud solids into permeable formations. It is effective in low concentrations, with the normal fluid-loss treatment ranging from 0.75 to 2 lb/bbl (2 to 6 kg/m3). In saltwater systems, higher concentrations are required for encapsulation, with normal concentrations ranging from 1 to 3 lb/bbl (2.85 to 8.6 kg/ m3).

Advantages

- Economical alternative to low viscosity PAC and CMC
- Easily mixed
- Effective in low concentrations for controlling fluid loss without viscosity increases
- Encapsulates shale particles to inhibit swelling and dispersion
- Resists bacterial attack, requiring no biocides or preservatives
- Applicable in most water-based mud systems
- Environmentally acceptable

TROL LV modified starch is a high quality, easily mixed dry product designed to control fluid loss without contributing to an increase in viscosity.

Applications (cont`d)

Trol LV generates less viscosity than regular PAC products. The viscosity generated will depend on the solids concentration, salinity and makeup-water chemistry.

Trol LV is an anionic starch which will encapsulate exposed clay and shale drill cuttings and the borehole walls. This protective polymer "envelope" inhibits the dispersion of shale cuttings and restricts fluid interactions with exposed shale.

Method of Addition

Trol LV can be added at the hopper, as required. It mixes quickly in most mixing systems and provides necessary fluid properties in a short time.
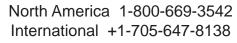
Typical Physical Properties

Physical appearance	White free-flowing powder
Specific gravity	1.5 – 1.6
pH (1% solution)	6.5 – 8.0

Packaging and Storage

Trol LV is packaged in 50 lb/22.7 kg bags and 5 gallon pails.
Store in a cool, dry location.