

# CHROLIG

## THINNER

### Product Description

CHROLIG is a specially formulated product designed for use as a thinner, fluid stabilizer and fluid-loss-reducing agent in all water-base muds. It is an excellent additive for HTHP filtration control and rheological stabilization for muds subjected to high temperatures.

### Typical Physical Properties

Physical appearance	Black, free-flowing powder
Specific gravity	1.7
pH (2% solution)	9.0 - 10.5
Bulk density	52 lb/ft <sup>3</sup> (833 kg/m <sup>3</sup> )

### Application

CHROLIG agent is used in water-base muds to reduce viscosity, increase rheological stability and improve filtration control. The effect of CHROLIG is most dramatic in fluids exposed to higher temperatures. CHROLIG can be applied to muds of any salinity, from fresh to saturated-salt, as well as to lime and gyp muds. For saturated-salt or low-pH mud systems, presolubilize CHROLIG in a lower-salinity, high-pH fluid.

CHROLIG may be added to the system through the mixing hopper. Depending on viscosity and fluid-loss requirements, 1 to 6 lb/bbl (2.85 to 17.1 kg/m<sup>3</sup>) may be required. Improved HTHP filtration control and rheological stability under adverse conditions, such as high temperatures, may require greater concentrations. For improved mud system and product performance, the pH should be maintained at 9.5 or greater.

### Advantages

- Compatible with all water-base mud systems
- Reduces differential pressure sticking tendencies by reducing filtercake thickness and HTHP fluid loss
- Stabilizes the fluid loss and rheology of water-base muds at temperatures up to 450°F (232°C)
- Performance is not adversely affected by mud contaminants
- Particularly effective in freshwater and seawater mud systems
- An economical sodium-hydroxide-neutralized, CHROLIG product designed for exceptional high-temperature performance
- Contains the more acceptable Cr<sup>+3</sup> chrome valence state

### Limitations

- Most effective in alkaline systems with a pH of 9.5 or above
- Contains chrome which may not be acceptable for all applications, depending on local environmental regulations and considerations

### Packaging and Storage

CHROLIG is packaged in 50-lb (22.7-kg), multi-wall, paper sacks. Store at moderate temperatures in dry, well ventilated area. Keep in original container.

Important Note: These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and method of use of our product are beyond our control. We recommend that the prospective user determine the suitability of our material and suggestions before adopting them on a commercial scale.