DRILPLEX HDD

Viscosifier

APPLICATIONS
- Water-based bentonite fluids

ADVANTAGES
- High rate of penetration
- Optimum cuttings transport
- Excellent solids suspension
- Borehole stabilization
- Low drilling costs

LIMITATIONS
- DRILPLEX HDD* viscosifier may be adversely affected by anionic polymers or thinners. DRILPLEX HDD viscosifier should only be used to enhance a bentonite-based fluid. The mixing tank must be clean before being used.

The DRILPLEX HDD viscosifier enables the formulation of fluids with exceptional shear-thinning properties, resulting in a drilling fluid with both excellent dynamic and static carrying capacity for solids. This is indicated by high-yield-point and low-plastic-viscosity readings. When not circulating, the mud instantly reverts to a gelled state and results in high suspending capacity indicated by high, nonprogressive gel strength readings.

Certified to NSF/ANSI 60

For 300 galUS [1,136 L] of drilling fluid mix:

- Add 1½ sacks (75 lb [34 kg]) of DRILPLEX HDD viscosifier in freshwater and hydrate for 10 min. If higher rheological properties are desired, mix more gel. For every 7 lb [3.2 kg] of additional gel added, the yield point rises approximately 20 points.
- After the gel is hydrated, add 6 lb [2.7 kg] of DRILPLEX HDD viscosifier (3 vis cups) and mix for an additional 5 to 10 min.
- For torque reduction, add 1.5 galUS [5.7 L] of PLATINUM ROD EASE* lubricant.

DRILPLEX HDD viscosifier is only slightly soluble in water.

Toxicity and handling
Bioassay information is available upon request. Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the MSDS.

Packaging and storage
DRILPLEX HDD viscosifier comes in 25-lb [11.3-kg] multiwall paper sacks with 80 sacks to a pallet. Store in a dry location away from sources of heat or ignition, and minimize dust.