

HEAVY-DUTY HDD



## PRODUCT DESCRIPTION

LiftGuard Dry is a dry blend of oxides and pH buffers designed for use in heavy sand, gravel and cobble conditions. When added to bentonite-based drilling fluids, LiftGuard Dry provides exceptional shear-thinning properties with excellent dynamic and static carrying capacity.

At slow pump rates, or when pumping is stopped, LiftGuard Dry provides improved cuttings carrying capacity and suspension. At higher pump rates, or when pumping resumes, the viscosity is reduced to normal levels, reducing pump pressures.

LiftGuard Dry is designed to be used in bentonite-based drilling fluid systems. It is compatible with other drilling chemicals.

LiftGuard Dry mixes easily into drilling fluid, although good agitation is recommended to ensure proper mixing.

### GENERAL MIXING INSTRUCTIONS

#### Per 1,000 Gal

To enhance the carrying capacity of the drilling fluid in cobble formations: Start with fresh water and add 8 - 10 ppb high yield bentonite. Once bentonite is fully hydrated, add 1 bag of LiftGuard Dry per 1,000 gallons of drilling fluid.

The above mixing instructions are based on average dosages. Actual dosages in the field may vary based on soil and drilling conditions.



### PRODUCT ADVANTAGES

- Optimized cuttings transport and suspension
- Stabilizes the bore hole
- Shear thinning
- Easy to mix and safe to use

### PHYSICAL PROPERTIES

- Appearance: White powder
- Bulk Density: 35 – 40 lb/ft<sup>3</sup>
- Odor: Odorless
- pH: 8.0 – 9.0

### PACKAGING

- Available in 25 lb bags and 5 gallon buckets.



DRILLCHEM.COM  
281.713.8941

HOUSTON, TEXAS | LAFAYETTE, LOUISIANA | ELK CITY, OKLAHOMA  
WILLISTON, NORTH DAKOTA | MIDLAND, TEXAS | CORPUS CHRISTI, TEXAS

SPECIALTY PRODUCTS FOR CHALLENGING BORES