



PRODUCT DESCRIPTION

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

At slow pump rates, or when pumping is stopped, LiftGuard 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 is designed to be used in bentonite-based drilling fluid systems. It is compatible with other drilling chemicals. Add 1/2 -2 jugs per 500 gallons of fluid through the mixing hopper or directly through the top of the tank.

GENERAL MIXING INSTRUCTIONS

Per 500 Gal	LiftGuard
Clay - Sand - Silt	1/2 Jug*
Sand - Silt	2 Jug*
Sand	1 Jug*
Sugar Sand	2 Jug*
Gravel - Cobble	2 Jug*
Shales	1 Jug*
Rocks	1 Jug*

*Must pre-hydrate bentonite prior to making LiftGuard additions.

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: Viscous white liquid
- Specific Gravity: 1.35 – 1.45
- Flash Point: >200°F
- pH: 8.0 – 9.0

PACKAGING

- Available in 1/2 gallon jugs, 5 gallon buckets, and 275 gallon totes.



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