

## HIMUDRILL

Green Multifunctional Additive

Shale Inhibitor + Lubricant + Pipe Lax

### Typical Physical Properties

Physical appearance : Cream-colored liquid

Density @25 °C (g/ml):  $1 \pm 0.1$

Solubility in water: Slight Soluble

pH: 9 – 9.5

Flash point: >200 F (93°C)

### Applications

The product has application in most water-base drilling fluids and is acceptable environmentally.

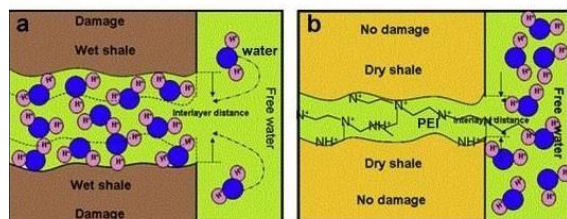
This is specifically formulated to stabilize water- sensitive, micro-fractured shales when drilling with water-base drilling fluids.

This product acts as a shale inhibitor and strengthens the wellbore.

The product improved lubricity and reduced accretion from sticky clays and also has the piplax effect.

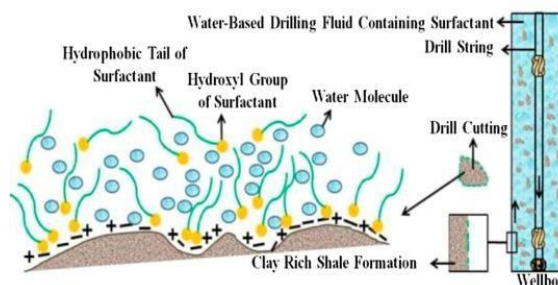
### Packaging and Storage

This product is packaged in nonreturnable 55-gal (208-L) drums. Customized packaging is also available on request.



### Advantages

- ✓ Controls fluid loss and seepage
- ✓ Minimizes differential sticking
- ✓ Stabilizes shales
- ✓ Performs in oil- and water-based drilling muds
- ✓ Strengthens the wellbore
- ✓ Reducing pore pressure transmission and sealing micro-fractures in shale and low-porosity sands
- ✓ Keeping interbedding formations intact
- ✓ Developing effective filter cake
- ✓ Providing a “smear effect” that creates a continuous protective sealant along the wellbore wall



### Safety and Handling

Consult MSDS before use and use personal protective equipment as advised.