VG-SUPREME organophilic clay viscosifier

Minimizes barite sag in extended-reach wells

Applications

- Develops outstanding low-shear-rate viscosity and suspension properties
- Works with base oils, synthetic fluids, and oil drilling fluids

How it improves wells

VG-SUPREME* organophilic clay viscosifier is a high-performance rheological additive for invert-emulsion systems. It provides excellent antisag features and exhibits a rapid yield under low-shear and low-temperature conditions. It is ideal for minimizing barite sag in extended-reach wells and for preventing settling in low-shear mud plant operations.

It is an effective replacement for gelling agents in mud plant and onsite well applications where rapid yield is essential for preventing static or dynamic settling. Unlike other organophilic clays, VG-SUPREME viscosifier will develop the maximum rheological properties shortly after being mixed with minimal shear, eliminating situations where rheology would increase for several circulations after the organoclay addition. Laboratory tests show that it generates the same or equal rheology more rapidly than standard organophilic clays.

Advantages

- Develops low-shear-rate viscosity efficiently
- Enhances hole-cleaning capacity
- Yields rapidly
- Proves effective in low-shear and low-temperature mixing conditions

Limitations

Excessive treatment with VG-SUPREME viscosifier tends to increase mud rheology at cold temperatures. In deepwater applications, the rheology should be measured at two or three temperatures, including the flow line temperature.

Toxicity and handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing precautions as described in the safety datasheet.

Typical Physical Properties	
Physical appearance	Light-cream powder
Specific gravity	1.5–1.7

All specifications are subject to change without notice.