



Technical Data Sheet

VERSAWET

Product Description

VERSAWET is used primarily in relaxed fluid loss, lower lime VERSA* oil mud systems which use VERSACOAT as the emulsifier. VERSAWET surfactant is an excellent wetting agent which is especially effecting in the systems using difficult to wet Fer Ox* hematite. It is also effective at oil wetting barite and drill solids and at reducing the adverse effects of water contamination.

Applications: **VERSAWET** surfactant functions as a wetting agent when used in a relaxed fluid loss, lower lime systems, usually in combination with VERSACOAT. It oil-wets weight material and drill solids to prevent water-wet solids, improves thermal stability, rheological stability, filtration control and emulsion stability while it improves the fluids resistance to contamination.

Limitations **VERSAWET** surfactant is not recommended for high-lime systems such as conventional systems which use VERSAMUL additive as the primary emulsifier, in well with lower temperatures 200°F. Under certain conditions in high-lime fluids, **VERSAWET** surfactant can cause undesirable viscosity increases.

VERSACOAT additive is the recommended wetting agent for most high-lime, medium temperatures applications.

Treatments: Typical concentrations range from 1 to 4 lb/bbl depending on the oil/water ratio, type of oil, drilling temperatures, and desired properties.

Daily maintenance treatment are required. Pilot testing is suggested to determine the actual treatment required to obtain the desired properties.

Temperature: **VERSAWET** has a static bottom hole temperature window up to 400°F. This temperature value is based upon normal drill solids content and target product concentrations. As the solids content increases, this will cause strain on the product's ability to perform. Also, as laterals are lengthened, and mechanical stresses are increased, this will nega-

KEY BENEFITS

- **Concentrated, powerful wetting agent used in low-lime/low alkalinity fluids**
- **Reduce initial mixing costs**
- **Excellent wetting agent for difficult to wet Hematite additive**
- **Improves emulsion stability and helps prevent water in HTHP filtrate**

Key Properties

Color	Dark brown / green
Physical Form	Liquid
Sg	0.93 - 0.98
Flash point	>200°F
Pour Point	-44°C
Packaging	Drum/Totes