



Technical Data Sheet

SUPER WET

Product Description

SUPER WET is Solvent-free siloxane-based superwetter that provides excellent substrate wetting especially on difficult-to-wet surfaces; provides extremely low surface tension and very low contact angle; soluble in aliphatic hydrocarbons.

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

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

IN FORCE OW 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: SUPER WET 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 negatively impact the performance of the wetting agent.

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