NOVATEC® S polyamide is the secondary emulsifier and wetting additive in the NOVATEC LAO-base system.

NOVATEC S emulsifier can be used alone to form tight water emulsions in olefin fluids, but is particularly effective when used to compliment NOVATEC P additive. The product is designed for use in the NOVATEC system to provide tight emulsion stability and strong organic wetting capability.

**Typical Physical Properties**

- Physical appearance: Amber to brown viscous liquid
- Specific gravity: 0.95 to 1.05
- Flash point: 158°F (70°C) (PMCC)

**Applications**

NOVATEC S additive functions as a secondary emulsifier and primary wetting agent in the NOVATEC LAO system in combination with NOVATEC P emulsifier.

When used in combination, NOVATEC S and NOVATEC P emulsifiers react to form a tight emulsion and improve the fluid’s resistance to contamination and water-wet solids.

NOVATEC S additive also contributes to the HTHP fluid-loss control of the NOVATEC system.

The concentration for initial formulations will be in the range of 2.1 to 7.7 lb/bbl (6 to 22 kg/m³) depending on the synthetic-water ratio, anticipated circulating temperatures, and other desired properties. Bottom-hole conditions can require increased concentrations.

Daily maintenance treatments are suggested at 1.0 to 2.5 lb/bbl (2.8 to 7.1 kg/m³), however higher

**Advantages**
- Improves oil-wetting and prevents water-wet solids
- Maintains stable invert emulsion and helps prevent water in filtrate
- Improved thermal stability and contamination resistance of the NOVATEC system
- Improves emulsion stability

**Limitations**
- Over-treatment can result in a lower yield point

**Toxicity and Handling**

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions as described on the Material Safety Data Sheet (MSDS).

**Packaging and Storage**

NOVATEC S emulsifier is packaged in 5-gal (18.9-L) cans and 55-gal (208-L) drums.

Store in a cool, dry location away from sources of heat or ignition.