



Technical Data Sheet

IN FORCE S

Product Description

IN FORCE S is a secondary emulsifier for Oil Based fluid systems. It is designed to produce a highly stable invert emulsion, improve the electrical stability and fluid loss properties. **IN FORCE S** is effective over a wide range of different ranges of temperatures, oil/water ratios, and mud weights. **IN FORCE S** also oil-wets solids to prevent water wetting and reduces the adverse effects of contaminants.

Applications: Secondary emulsification; oil wetting of solids; improve electrical stability; and filtration control

Treatments: Typical concentrations range from 2 to 8 lb/bbl depending on the oil/water ratio.

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

Temperature: **IN FORCE S** has a static bottom hole temperature window up to 350°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

- Emulsion stability
- Oil wetting of solids
- Reduces effects of contaminants
- Rheological stability
- Filtration control
- Improves thermal stability

Key Properties

Color	Dark
Physical Form	Liquid
Sg	0.95 -.1.01
Solubility in water	Insoluble
Packaging	Drum/Totes