



Technical Data Sheet

IN FORCE OW THERM X

Product Description

IN FORCE OW THERM X is an Concentrated, low toxicity wetting agent for all systems. is a highly effective oil wetting agent for invert emulsion fluids that improves the wettability by the oil of the dispersed solids. IN-FORCE OW THERM X works very well in cases of elevated BHT with strong solids contamination or when water flows are encountered and potential for water-wet solids or high viscosity may occur. The product ensures that any water wet solids that enter an invert system are converted to an oil wet form.

Applications:

The invert wetting agent is used to counteract the effects of high solids concentrations and water contamination in all invert systems. Use to thin barite slugs before pumping.

Treatments:

Treatments can range from 1 to 5 lb/bbl depending on the type of oil, properties desired as well as other components of the system. Further treatments with IN-FORCE OW THERM X will enhance the control of the wettability of solids and cuttings present in the fluid. Pilot testing is suggested to determine the actual treatment required to obtain the desired result.

Temperature: IN FORCE OW THERM X 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

- Oil wetting of solids
- Rheological stability
- Improves resistance to contamination.

Key Properties

Color	Dark Amber
Physical Form	Liquid
Sg	0.87
Flash Point	175° F