

Oilfield Chemical Additives Supplier for

- Drilling
- Completion
- Production
- Stimulation

Secondary Emulsifier TF EMUL 2



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Secondary Emulsifier provides excellent and very Stable Emulsion and oil wetting agent. It contributes to temperature stability and HTHP filtration control and is most effective over a wide range of temperatures and also in the presence of contaminants. It provides viscosity and filtration control and temperature stability.

Emulsifier include primary emulsifier and secondary Emulsifier. Emulsifier use for oil based drilling mud. primary emulsifier in oil-base mud systems. It is formulated to give good emulsification, improved thermal stability of the invert emulsion, and enhanced high-temperature, high-pressure (HTHP) filtration control. Through comprehensive tests in a number of oil-base mud formulations with various base oils, mud densities, oil/water ratios and hot-rolling temperatures, it proves that at working temperature up to 149°C (300°F), CPMUL-P can maintain high ES (electrical stability), low HTHP filtrate and desired rheological property.



Technical Index

Appearance	Dark amber liquid
Odour	Slight odour
Water solubility	Insoluble
Relative density (s.g.)	0.90-0.98
Viscosity (cSt @ 40°C)	7 min
Flash point (°C)	65 min

Product introduction

TF EMUL 2 is used in invert emulsifier systems as a secondary emulsifier. It is designed to emulsify water into oil and increase emulsion stability and to aid in fluid loss control.

An invert emulsion system, also known as an invert emulsifier system, is a specialized type of emulsion used in various industrial applications, particularly in the oil and gas industry. In this unique emulsion system, the continuous phase is the oil, while the dispersed phase is water. This is in contrast to conventional emulsion systems, where water is the continuous phase and oil is the dispersed phase.

The invert emulsion system has gained significant attention and application in the oil and gas industry, particularly in drilling operations. It offers several advantages in specific drilling environments, such as high-temperature and high-pressure conditions, where conventional water-based drilling fluids may not be suitable. The use of oil as the continuous phase provides better stability and lubrication in challenging downhole conditions, making it a preferred choice in certain drilling applications.

To stabilize the invert emulsion system, emulsifiers and stabilizers are used to ensure the dispersion of water droplets in the continuous oil phase. These additives play a crucial role in maintaining the stability and performance of the emulsion under varying downhole conditions. By carefully selecting and formulating these emulsifiers and stabilizers, the invert emulsion system can exhibit excellent stability and performance, making it suitable for a wide range of downhole operations.

The invert emulsion system has found applications in various downhole operations, including drilling, well completion, and workover operations. It provides excellent fluid properties, such as thermal stability, lubricity, and shale inhibition, making it suitable for challenging drilling environments. The ability of the invert emulsion system to maintain stability and performance in harsh downhole conditions has made it a valuable tool in the oil and gas industry.

In summary, the invert emulsion system is a specialized emulsion where the continuous phase is oil and the dispersed phase is water. Its unique properties and advantages have made it a preferred choice in specific drilling applications, particularly in challenging downhole environments. With careful formulation and the use of appropriate emulsifiers and stabilizers, the invert emulsion system offers stability, performance, and versatility, making it an essential component in the oil and gas industry.

Application

TF EMUL 2 benefits include improved thermal stability and High-Temperature, High-Pressure (HTHP) filtration control. The product is effective over a wide temperature range and in the presence of contaminants and for reducing the adverse effects of water contamination. TF EMUL 2 needs to be used in conjunction with TF EMUL 1.

Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet.

Packaging and Storage

Packed in 55 USG HDPE drum.

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and /or stacking.

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Youzhu Chem offers a wide range of oil field chemicals widely used in the various stages of oil and gas production. And we have developed the finest quality Oil Soluble Demulsifier, Water Soluble Demulsifier and Corrosion Inhibitors. Our products enable customers to maximize value in their oilfield operations, and increase the overall efficiency of the well.