

Oilfield Chemical Additives Supplier for

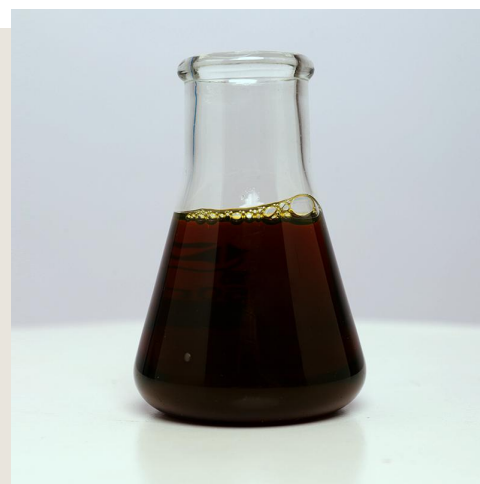
- Drilling
- Completion
- Production
- Stimulation

Primary Emulsifier TF EMUL 1



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PPrimary Emulsifier is a liquid blend of selected Primary emulsifier. It is essentially Polyaminated Fatty acid and is used to emulsify Water into Oil in Oil /Diesel based drilling fluids .It provides excellent emulsion stability, acts as a wetting agent, gelling agent and fluid stabilizer in a mineral oil base. It is also used for filtration control and for temperature stability.



TF EMUL 1 is used in invert emulsifier systems as a primary emulsifier. TF EMUL 1 is designed to emulsify water into oil and increase emulsion stability and to aid in fluid loss control. Recommended for use with the TF EMUL 2 secondary emulsifier to create a stable invert emulsion.

Technical Index

Appearance	Dark amber liquid
Odour	Slight odour
Water solubility	Insoluble
Relative density (s.g.)	0.90-0.98
Viscosity (cSt @ 40°C), min	7
Flash point (°C), min	65
Pour point (°C), max	-10

Product introduction

Primary Emulsifier is used as a primary emulsifier providing 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 excellent emulsion stability, filtration control, and temperature stability.

TF EMUL 1 delivers premium performance across a broad temperature range and in a variety of mud formulations. 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. This makes it even more important to ensure the stability of the inverse emulsion system.

Application

It is used as the basic emulsifier for oil mud system. It provides excellent emulsion stability, secondary wetting, viscosity, filtration control and temperature stability. TF EMUL 1 needs to be used in conjunction with TF EMUL 2.

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. For more information, please refer to SDS.

Packaging and Storage

Packed in 55 USG HDPE drum or 1000 Litre IBC (Tote Tank).

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.