



AlphaZyme[®] D400 PB

From Complus Trading North America LLC

Usage Instructions

AlphaZyme D400 PB High Temperature is a microemulsion/ nano particle product designed and formulated with co-solvents and surfactants to enhance the removal of polymers fluids and improving water floods by reducing surface tension, breaking down PHPA and changing producing rock from oil wet to water wet. This product also has an oil enhancing enzyme built to release oil imbedded in the rock.

AlphaZyme D400 PB High Temperature delivers superior water wetting characteristics in both carbonate and sandstone reservoirs. The result is a more efficient stimulation, with residual wetting, that enhances the performance and life of an oil or gas well and its longevity..

Product Dilution

AlphaZyme D400 PB High Temperature is used to enhance water flood for oil recovery at .75 to 1 GPT treatment rates. If Diluted in RO water 50%, it can be used to treat at 1.5 to 2 GPT (Gallons per Ton).

AlphaZyme D400 PB High Temperature can also be used in frac application of new or stimulation of older wells. It is to be added into the frac fluid at .7 to 1 GPT and can be used at a high treatment level of 4 GPT. This product can be used at 301C/575F down hole for 60 days without failure of Surfactant performance.

Specific Gravity: 1.026 Appearance/Odor: Amber/Alcohol Odor

Flash Point: 2.05°F pH: 6 to 8

AlphaZyme D400 PB High Temperature is recommended at a loading of .75 to 1.5 GPT in fracturing fluids. Do not allow to touch active acid in the formation. It is suggested to always run a compatibility of fluids.



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AlphaZyme D400 PB High Temperature is available in 55 gallon drums and various totes or bulk

Important Notes

Note: In reviewing well stimulating programs always consider the review of the well's core analysis data to understand each well's Clay content within the formation. If Clay is found in the Formation, then a 2 to 3% KCL (Potassium Chloride) should be used as a dilution with the water volume to prevent most Clays from swelling and inhabiting the oil flows. In cases where high levels of Smectite are found in the well's formation (Volumes Greater than 8%), then use our products are best used in conjunction with PHPA, or displaced with Nitrogen or CO₂, during the stimulation process.

Note: Each product above will change the formation's rock from Oil Wet to Water Wet or are offered in specific products that will change the rock from Oil Wet to Water Wet.



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