

WEM-318L Acid Emulsifier

Retards the rate of reaction for deeper penetration into the formation

Applications

- Acid treatments on limestone or other acid-soluble materials that benefit from a retarded rate of reaction
- Acid fracturing treatments to transport proppant or other solids
- Poorly consolidated sandstones where it can displace loose sand from the wellbore and carry it deeper into the formation

Features and Benefits

- Enables deep penetration of live acid into the formation
- Allows entry into oil-bearing zones through the use of oil external emulsions
- Rheological behavior of emulsions help suspend and transport solid particles

Product Description

WEM-318L is a fatty amine acetate blend that is used to prepare high-acid internal phase emulsions with kerosene or diesel fuel to retard the rate of reaction for deeper penetration of live acid into the formation.

The normal concentration range is 10 to 20 gal/1,000 gallons (10 to 20 L/m³) of the total emulsified fluid, depending on the desired stability and the presence and nature of other acid additives. WEM-318L acid emulsifier should be mixed with kerosene or diesel before slowly adding the acid with sufficient mixing.

Specifications

Appearance	Amber liquid
Specific gravity	1.0 to 1.05
Boiling point	225°F (107.22°C)
Ionic charge	Anionic
pH	4.5 to 5
Freeze point	-31°F (-35°C)
Flash point	>212°F (>100°C)

