



WBK-132L High-pH Enzyme Breaker

WBK-132L is a liquid enzyme breaker designed specifically for use in high-pH guar or chemically modified guar linear and cross-linked fracturing fluids.

Application

WBK-132L incorporates a blend of unique enzymes that maintain high activity in alkaline environments. It can be used in fluids with pH levels of at least 10.5. WBK-132L provides clean, reproducible breaks at temperatures of 70° to 225°F (21° to 107°C).

Usage

Typical loading rates are 0.2 to 1.0 gal/1,000 gal of fracturing fluid, depending on the application. Loading rates are lower at higher temperatures and as pH decreases. Always pre-test WBK-132L in a laboratory with actual fracturing fluid additives to ensure compatibility and proper breaker loading levels.

Storage

Store containers indoors, ideally in a temperature-controlled environment. Breaker storage tanks on chemical additive units should be designed to screen out ultraviolet light. Laboratory testing of this product has shown that properly stored WBK-132L retains most of its activity for several months. Weatherford recommends that WBK-132L be used within 90 days of manufacture.

Advantages

- Can be used in fluid systems with low and high pH levels
- Will not burn out at higher pH levels, as conventional enzyme breakers do
- Can be used over a broad range of temperatures
- Requires only low concentrations for clean breaks, saving costs

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Physical Properties

Appearance	Light-brown liquid
Odor	Yeasty fermentation
Density (lb/gal)	9.3
Freeze point (°F/°C)	10° -12°
Solubility in water	Soluble
Solubility in diesel	Insoluble