

Alkaline pH buffer SL-PH01**○ Product Description**

SL-PH01 is an alkaline pH buffer, it can be used to adjust the pH range and crosslinking time required for fracturing fluid crosslinking to ensure the stability and effectiveness of fracturing fluids.

○ Technical & Engineering Information

The guar gum fracturing fluid is usually crosslinked with boron, and the boric crosslinker crosslinks too fast. SL-PH01 can be used to control the crosslinking time and crosslinking efficiency. Alkaline pH buffer can significantly improve the temperature resistance, shear resistance and sand carrying capacity of guanidine adhesive fracturing fluid.

In addition, SL-PH01 can effectively neutralize the acidic substances in the fracturing fluid and reduce the risk of environmental pollution.

SL-PH01 is compatible with most additives used in fracturing fluid systems.

○ Technical Indicators**Technical Indicators of SL-PH01**

Item	Indicator
Appearance	Transparent Liquid
Colour	colorless
Odor	Odorless
PH	>13
Density (20°C)	1.0-1.3g/cm ³
Solubility	Soluble in water
Harm	Corrosive

○ Recommended Treatment

SL-PH01 is added to the gel prior to adding the crosslinker solution to provide the desired delay time for crosslinking. SL-PH01 is added as a side stream to allow optimization of delay time without changing fundamental fluid stability and performance.

SL-PH01 is highly soluble in water. it is recommended that the maximum solution be limited to 40wt.%, which is 3.84 lbs./gal.

○ Packing and Storage

SL-PH01 is supplied in 53gallon(200L) high density polyethylene (HDPE) drums or 265gallon(1000L) IBC. Keep it away from extreme conditions such as places near flames or direct sunlight.

Shelf life is 2 years.

<http://www.stimulationchem.com/>

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