

Flowback Surfactant SL-EXP3201

O Product Description

Surface active reagents were generally used in aqueous-based stimulation fluids to lower the interfacial tension that restricts fluid flow in the rock matrix. SL-EXP3201 surfactant lowers the capillary pressure by both improving the wettability of the pore throat and reducing the interfacial tension. Both laboratory testing and field results have shown that SL-EXP3201 can provide superior cleanup due to the wetting properties and surface tension reduction that lead to lower capillary pressures. The use of SL-EXP3201 results in less swabbing time, faster cleanup, and more complete recovery of the stimulation fluids.

O Technical & Engineering Information

SL-EXP3201 promotes the cleanup of the fluid from the rock matrix because the contact angles resulting from the use of SL-EXP3201 are higher than those for other conventional cleanup surfactants. In addition, the surface and interfacial tension values from the use of SL-EXP3201 are also lower than most conventional surfactants used. This leads to significantly lower capillary pressures which reduces the force required to initiate flow of the stimulation fluid and therefore, SL-EXP3201 should provide better and quicker fluid recovery following a stimulation treatment. SL-EXP3201 is compatible with most additives used in most matrix stimulation and acid fracturing fluids. Lab testing indicates that SL-EXP3201 can be used for temperature applications up to 350°F (177°C). SL-EXP3201 can reduce the surface tension to as low as 19 Dynes/cm.

O Technical Indicators

Item	Indicator
Appearance	Transparent liquid
Color	Light Yellow
Specific Gravity	0.9-1.1
Solubility in water	Soluble
PH 1%	6-9

Technical Indicators of SL-EXP3201

O Recommended Treatment

Add SL-EXP3201 into the fracturing liquid or acidizing liquid directly according to the design specifications, the concentration for field application is generally 0.2-0.5%.

Surface Tension, 0.3%, Tap Water ≤23 mN/m

Interfacial Tension, 0.3%, Tap Water ≤1 mN/m

Packing and Storage

SL-EXP3201 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: 2 years.

http://www.stimulationchem.com/

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