

# TruSlick A

Next Generation Anionic Friction Reducer for Hydraulic Fracturing

#### PRODUCT DESCRIPTION

TruSlick A is a synthetic high molecular weight anionic polyacrylamide copolymer supplied in an easy-to-handle, liquid emulsion form. TruSlick A employs the latest advances in emulsion technology to deliver market leading friction reduction and sand placement performance in slickwater fracturing fluids. TruSlick A has better proppant placement than any other Anionic emulsion FR on the market. It has been run in the field in as heavy as 6# per gallon sand.

## **APPLICATION**

TRUSLICK A is a high viscosity anionic synthetic polymer that is effective as a friction reducer in fresh water and various brines and in KCL, and has been widely used.

- As a friction reducer for fresh water & brine applications
- Product is used in fresh water to 150K TDS
- As a thickener for fresh water or brines in completions or work over operations
- Superior, long term suspension stability
- Rapid polymer hydration
- Suspension flows readily, even in severe winter conditions
- Compatible with anionic FR and nonionic additives

### TYPICAL DOSAGE

Dosage requirements for TRUSLICK A range from 0.25 to 2.0 gallons per 1,000 gallons of frac fluid.

#### **COMPATIBILITY**

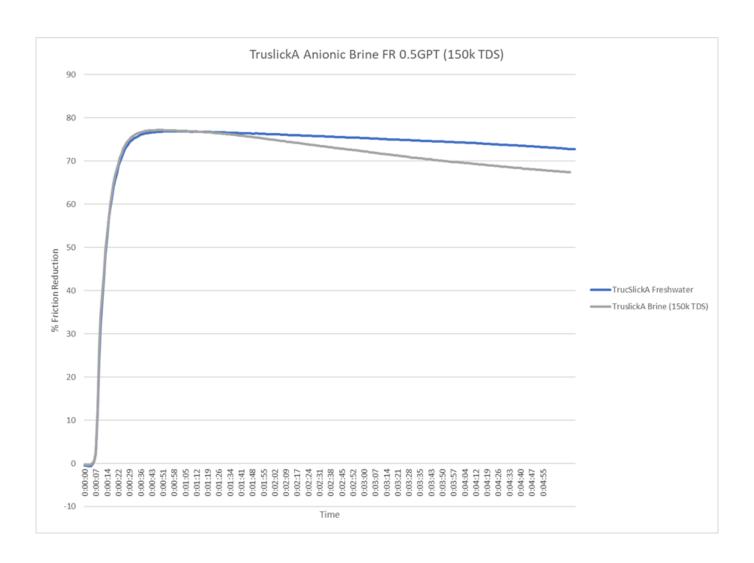
TRUSLICK A is compatible with all anionic and nonionic additives that may be present in the frac fluid.

## **TYPICAL PROPERTIES**

Appearance Opaque Liquid
Ionic Character Anionic
Density 8.8 lb./gal.
Storage 32 - 95 °F
Temperature\*
Pour Point\*\* -33°C (-27.4 °F)









## PRODUCT PERFORMANCE

# TruSlick C vs Industry Leading Emulsion FR A

# Sand bed growth rate:

TruSlickC: 0.273 mm/s; FR A: 0.466 mm/s

Sand settling rate:

TruSlickC: 3.97 mm/s; FR A: 6.78 mm/s (TruSlick C is 60% of FR A)

Sand settling predictor: average reciprocal viscosity

1 gpt TruSlickC: 0.14

1 gpt FR A: 0.21

Based on rheology, settling velocity in TruSlickC is predicted to be 67% of that in FR A

# **TruSlickC Fluid Break Testing**

						Post
			Water	Initial	Post-	Bath
		Test	Bath	Baseline	Batch	w/0.5#
TruSlickC	Water	Time	Temp	Viscosity	Viscosity	raw APS
1 gpt	Тар	2 hrs	160 F	3.6 cP	1.1 cP	1.0 cP
2 gpt	Тар	2 hrs	160 F	7.6 cP	0.9 cP	0.9 cP
3 gpt	Тар	2 hrs	160 F	11.1 cP	0.9 cP	0.9 cP
4 gpt	Тар	2 hrs	160 F	14.2 cP	0.9 cP	0.9 cP

Ofite 900 R1B1 @ 300 rpm