

PRODUCT DESCRIPTION

Friction Reducer: This anionic, high molecular weight inverse emulsion polymer is a highly efficient friction reducer designed for use in brines, high total dissolved solids (TDS) environments and water-based fracturing and completion fluids. It offers rapid hydration, enabling "on-the-fly" mixing for slickwater fracturing applications. The product excels in various brines with high friction reduction performance, significantly enhancing operational efficiency and maximizing well production.

APPLICATIONS

- Fresh water
- Flowback water, produced water
- Heavy Brine

BENEFITS

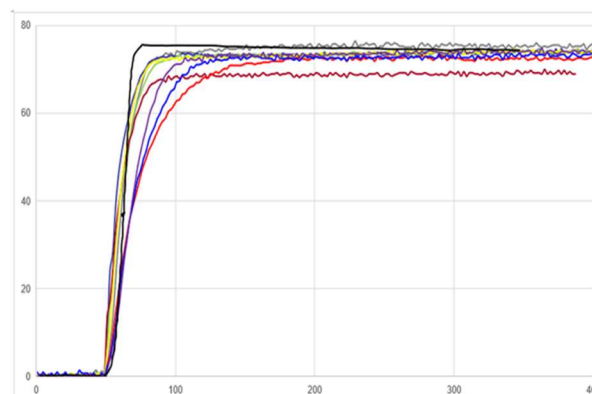
- Compatible with flowback & produced water
- Rapid hydration
- Superior Friction Reduction
- Versatile Performance
- Shortens pumping time

PHYSICAL PROPERTIES

Appearance	Opaque off white emulsion
Specific Gravity	1.05
Ionic Charge	Anionic

TESTING RESULTS

Friction reduction >70% in seconds in 10% NaCl brine at 0.5gpt loading.



CNPC USA FR outperforms competitors in friction reduction (top black line) in 100K NaCl at 0.5 gpt.

FEEDING AND DOSAGE

For optimal performance, it is recommended to use the product at dosages between 0.5 to 2.0 gallons per 1,000 gallons. When dosing, use positive displacement pumps, such as gear or progressive cavity pumps, to ensure accurate and consistent application.

STORAGE

Store the product in a cool, dry place with a temperature range of 40°F to 90°F (4°C to 32°C). Protect the product from freezing. If the product does freeze, it should be thawed and brought back to the recommended storage temperature range (40°F to 90°F). Once thawed, mix the product thoroughly before use to ensure uniform consistency and performance.

PACKAGING

Available in 275 gallons totes, 330-gallon totes or bulk