

Product data sheet | WellREADY™ 425

ANIONIC FRICTION REDUCER

WellREADY™ 425 is a low to moderate charge, high molecular weight anionic friction reducer designed to be added “on-the-fly” to water up to very heavy brines (“slick water fracs”). Typical dosages range from ¼ to ½ gallon per 1000 gallons of fluid with reduction in friction pressures by as much as 80% versus fresh water. WellREADY™ 425 is a single component emulsion polymer that can be pre-diluted with water prior to use but because it is a rapid yielding product it is usually fed “on the fly”.

Data compiled in our friction loop show that WellREADY™ 425 added at 0.5 gal/1000 gal can maintain friction reduction of >50% while competitive friction reducers are only able to achieve 25-30% at these dosage levels.

BENEFITS

- No alkyl phenol ethoxylates (APE or NPE) are used in the manufacture of WellREADY™ 425 making this product more environmentally friendly.
- Optimized acrylamide/acrylic acid ratio for friction reduction which reduces cost due to low usage.
- Added “on-the-fly” which reduces waste and disposal costs.
- Compatible with all anionic and nonionic surfactants.

PRODUCT SAFETY

Prolonged or repeated contact with WellREADY™ 425 may cause skin or eye irritation. Avoid breathing vapors or mists. Please refer to the Kemira Material Safety Data Sheet before using, handling, or storing WellREADY™ 425

TYPICAL PROPERTIES

Characteristics	Opaque, off-white emulsion
Charge	Anionic
Flash Point (PMCC)	>200°F/93°C
Specific gravity	1.03 - 1.06 @ 75°F/25°C
Density	8.7 ± 0.1 lbs/gal
Freezing Point	-4°F/-20°C
Viscosity	2600 - 6000 cps @ 75°F/25°C

DELIVERY

WellREADY™ 425 is available in tote bins, and bulk. Please contact your Kemira technical sales representative for packaging options.

STORAGE

WellREADY™ 425 should be stored between 40 and 90° F and protected from freezing. If freezing occurs the product should be warmed to 40-90°F and agitated prior to subsequent use. The shelf life of WellREADY™ 425 is at least six months in unopened containers.

Product rotation is recommended to avoid prolonged storage times. A very slight separation will occur upon standing, as noted by a clear upper layer of oil. Containers should be mixed prior to first use and weekly thereafter. Bulk storage tanks should be mixed either by a mechanical mixer or by recirculation.