

Product data sheet | WellREADY™ 435

ANIONIC FRICTION REDUCER

WellREADY™ 435 is a medium charge, high molecular weight anionic friction reducer designed to be added “on-the-fly” to fresh water or light brines (“slick water fracs”). Typical dosages range from 1/8 to 1/2 gallon per 1000 gallons of fluid with reduction in friction pressures by as much as 80% versus fresh water. WellREADY™ 435 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.

WellREADY™ 435 is also designed to be an effective whole sweep prior to cementing operations. Dosages in this application can range from 1/2 to 2 pounds per barrel of fluid, however actual dosages should be determined prior to sweeping to achieve optimum fluid characteristics.

TYPICAL PRODUCT PROPERTIES

Characteristics	Opaque, off-white emulsion
Charge	Anionic
Flash Point (PMCC)	>200°F/93°C
Specific gravity	0.98 - 1.01 @ 75°F/25°C
Density	8.3 ± 0.1 lbs/gal
Freezing Point	32°F/0°C
Viscosity	400 - 1400 cps @ 75°F/25°C

BENEFITS

- No alkyl phenol ethoxylates (APE or NPE) are used in the manufacture of WellREADY™ 435 making the 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™ 435 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™ 435.

DELIVERY

WellREADY™ 435 is available in tote bins, and bulk. Please contact your Kemira technical sales representative for packaging options.

STORAGE

WellREADY™ 435 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™ 435 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.