



"Specializing In Well Stimulation Products"

FR-450

Friction Reducer Additive

GENERAL INFORMATION:

FR-450 is a synthetic high molecular weight polyacrylamide. This product is designed to enhance the water displacement in oil wells by reducing the friction pressure in excess of 70% at very high flow rates.

PRINCIPLE USES

FR-450 is useful in various industrial applications such as industrial water and waste water clarification, lubricant in drilling mud and thickening and as a friction reducer additive.

FR-450 functions in all brine types including high brines and high TDS brines in addition to high levels of chlorides.

FR-450 may also be used for acid fracturing and coil tubing applications.

PROPERTIES

Appearance:	Opaque Liquid
Specific Gravity:	1.04-1.06
Viscosity:	400-1200 cps
Ionic Charge:	Anionic
Pour Point:	-22°F

FEEDING AND DOSAGE

Recommended use levels are 0.5-3.0gal/1000gal in water. This product should not be used neat. Use positive displacement pumps (gear or progressive cavity).

STORAGE

FR-450 should be stored between 32-95°F and protected from freezing. If freezing occurs the product should be warmed to 32-95°F and mixed well before use.

PACKAGING

FR400 is available in 264 gallons totes, 330 gallon totes or 5 gallon pails.

See MSDS