LFR-30
Friction Reducer
41135-005

General Information:

LFR-30 is a high molecular weight copolymer. This product is designed to enhance the water displacement in oil wells by considerably reducing the friction pressure experienced at very high flow rates.

Physical Properties:

Density	8.8 – 9.0 lbs/gal.
Solubility in Water	Complete, with vigorous agitation
Color	Opaque, off white emulsion
Odor	Hydrocarbon
Flash Point	>200°F
Freeze Point	<20°F
Viscosity	400 – 1200 cP

Chemical Descriptions:

LFR-30 is a high molecular weight polyacrylamide copolymer.

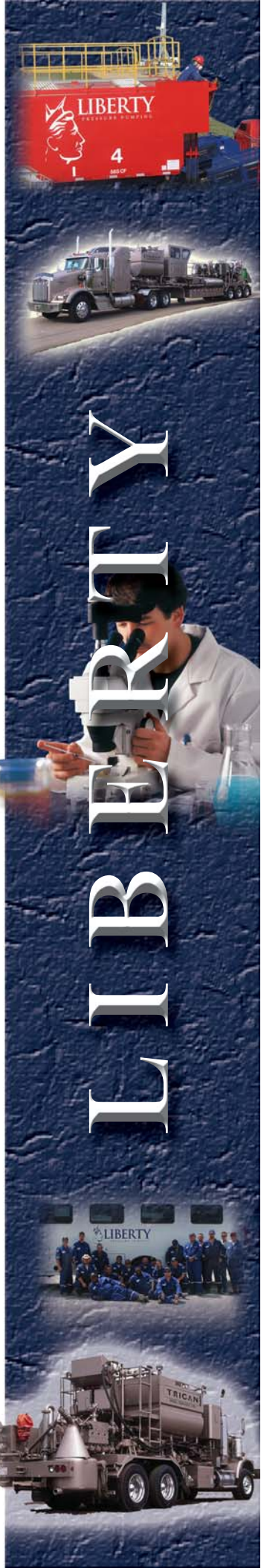
Recommended Uses:

LFR-30 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.

LFR-30 should not be used neat. Protect LFR-30 from freezing temperatures. If freezing should occur, the product should be warmed to 5-30°C and mixed well before use.

Limitations:

The use of anionic surfactants or nonemulsifiers may interfere with friction reduction properties of LFR-25. All emulsion polymers, including LFR-25, are sensitive to freezing and to contamination by other chemicals or water. The product can become so lumpy as to be unusable if frozen or contaminated. Always use clean, DRY stingers or drum attachments to handle LFR-25.



Liberty Pressure Pumping, L.P., 1517 Centre Place Drive #320, Denton, TX 76205, 940-243-1120

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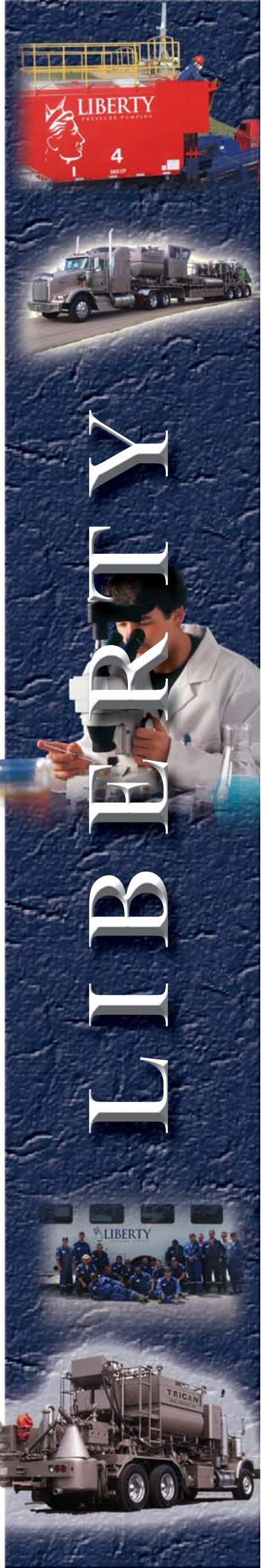
Treating Applications: Recommended use levels are 0.5-1.0% in water. Use positive displacement pumps (gear or progressive cavity).

Packaging: LFR-30 is available in 208 Liter drums and 1000 Liter totes.

DOT Information: Not DOT Regulated.



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