Description

- FR Pro™ is a synthetic high molecular weight polyelectrolyte based on polyacrylamide and supplied in easy-to-use liquid emulsion form.
- FR Pro™ is a highly effective friction reducer when used in water based fracturing fluids.
- FR Pro™ is capable of reducing pressure losses due to friction by amounts in excess of 70%.

Typical Performance

- Pressure Loss reduction in excess of 70%
- Designed to hydrate rapidly and may be added at any given time to the frac fluid
- When added to a high shear region, the hydration of the polymer occurs almost instantaneously

Applications

- Designed specifically for use in hydraulic fracturing operations which utilize either light or heavy brines
- Optimized for brines containing monovalent cationic species in addition to high levels of chlorides, as the frac fluids
- Typical Dosage: 0.25 to 2.0 gallons per 1000 gallons of frac fluid

Safety: Always refer to the Safety Data Sheet for detailed information on shipping, handling, storage, and use. Important: The information provided herein is believed to be accurate and reliable, but is presented without guarantee on the part of ViChem. Further, nothing contained herein shall be taken as an inducement to violate any patent rights.

Packaging, Handling & Storage

- Packaging: 275 gal tote, 55 gal drum, 5 gal bucket. Prices vary upon packaging type.
- Non Toxic and Biodegradable.
- Storage: 6 months in original unopened drums/IBC between (0 - 35°C / 32 - 95°F).
- Protect from freezing.

Physical Properties

<table>
<thead>
<tr>
<th>Type</th>
<th>Lubricant</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>Opaque Liquid</td>
</tr>
<tr>
<td>Ionic Character</td>
<td>Anionic</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>8.8 lbs/gal</td>
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<tr>
<td>Pour Point</td>
<td>-30°C / -22°F</td>
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<tr>
<td>See Also MSDS</td>
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