SL-FR | Friction Reducer

Product Description

SL-FR Friction Reducer is an anionic, extremely stable inverse emulsion manufactured for use in oilfield friction reduction applications.

Technical Indicators

Technical Indicators of Friction Reducer

<table>
<thead>
<tr>
<th>Item</th>
<th>Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Opaque white liquid</td>
</tr>
<tr>
<td>Pour Point</td>
<td>-25°C to -30°C</td>
</tr>
<tr>
<td>Density (20°C), g/cm³</td>
<td>9.09 lb/gal</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;95°C</td>
</tr>
</tbody>
</table>

Application Benefits

SL-FR produces ~70% friction reduction in fresh and slight brine waters up to 150K TDS:

- Fully inverted polymer and max friction reduction reached within 5 sec of introduction into frac water
- Robust, effective inversion in cold or hard waters
- Minimal peak friction reduction decay over time
- Performance maintained through three freeze/thaw cycles
- Proprietary surfactant package results in minimal oil separation & compacted sediment, which is readily re-dispersible
- Non-detectable: BTEX, Aromatics, & Polynuclear Aromatics
- Stabilization package minimizes storage degradation of molecular weight
- Superior cold weather handling characteristics maintaining low bulk viscosity at low temperatures
- No use of diesel, kerosene, or nonyl phenol surfactants

Performance may vary for SL-FR& will be determined by the conditions of the water used to hydrate.

Usage

SL-FR is typically loaded at a rate of 0.1-1.0 gpt. Most often used for slick water fracs or coiled tubing applications.

Packing

http://www.sloilfield.com

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SL-FR is available in bulk, 275 or 330 gallon totes.