

GEOCHEMM

Technical Data Sheet GEO FR 303 FRICTION REDUCER

Applications:	<p>GEO FR 303 is an effective anionic friction reducer for acidizing and coil tubing operations. Product is a high molecular weight and medium charge anionic emulsion product that is designed to be used in water based fluids in order to improve friction reduction during operation. Product is applicable in drilling fluids, fracturing fluids, acids and brines. Product is designed to be used in medium and high brine waters.</p> <p>As a result of products anionic nature, it is applicable in anionic or nonionic based additives.</p> <p>Product can be used in operations upto 400°F.</p>										
Product Data:	<p>GEO FR 303 is a high molecular weight emulsion polymeric additive.</p>										
Specification:	<table><tr><td>Form:</td><td>white emulsion</td></tr><tr><td>pH:</td><td>not applicable</td></tr><tr><td>Flash Point:</td><td>> 93 °C (closed cup)</td></tr><tr><td>Solubility in water:</td><td>Soluble</td></tr><tr><td>Density:</td><td>1,05 ± 0,05</td></tr></table>	Form:	white emulsion	pH:	not applicable	Flash Point:	> 93 °C (closed cup)	Solubility in water:	Soluble	Density:	1,05 ± 0,05
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Solubility in water:	Soluble										
Density:	1,05 ± 0,05										
Dosage and feeding:	<p>GEO FR 303 will settle over time and should be agitated prior to use for a min of 20-30 minutes. GEO FR 303 can be prepared as a batch mix or directly on the fly. High agitation rate is usually recommended. Recommended working solutions of GEO FR 303 is 0.5% however, stock solutions can be prepared up to 1% by an automatic make-up unit or on a batch basis.</p>										
Packing and Storage:	<p>GEO FR 303 packaging will be 1000 L tots or 200 L drums.</p> <p>The shelf-life of product is 6-months.</p> <p>Please refer to the original MSDS for further information.</p>										
Safety/Ecology:	<p>Read MSDS carefully before use.</p>										