



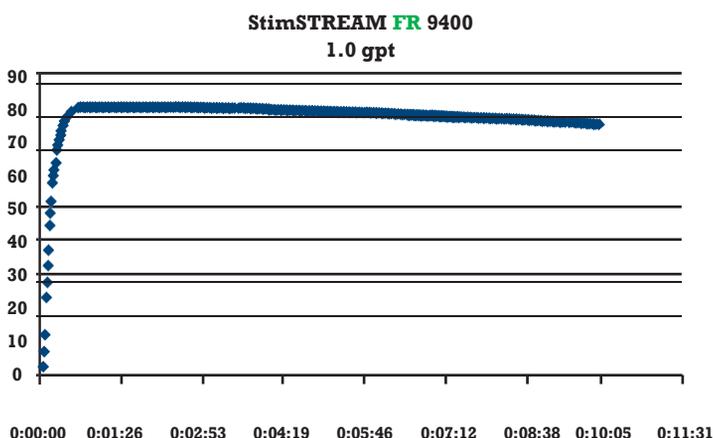
STIMSTREAM FR 9400

FRICTION REDUCER/VISCOSIFIER

StimSTREAM FR 9400 is a superior friction reducer that is extremely effective in high TDS production brines when used as a frac water source. Proppant interaction and carry have been excellent in both the Marcellus and Utica shale because of the product's unique chemistry. StimSTREAM FR 9400 is designed to handle heavy proppant loading including heavy ceramic proppant at high rate/high volume.

Application

StimSTREAM FR 9400 acts as an effective friction reducer at loading between 0.5 – 0.7 gpt. As FR loading increases, StimSTREAM FR 9400 has the unique ability to build viscosity to enhance proppant interaction and transport.



Benefits

- Excellent Friction Reducer in High TDS frac water sources
- Effective at low dosages
- Exceptional performance at high proppant load and high rate fracturing
- Performance is enhanced in the presence of polymeric based scale control programs

Compatibility

Due to its ionic nature, StimSTREAM FR 9400 is completely effective in non-ionic and anionic frac fluid designs. Its performance is often enhanced with polymeric based scale control chemistries.

Handling/Storage

Store in a cool, dry, well ventilated and shaded area, away from heat sources and incompatible materials. To maintain product quality, store product at temperatures below 104°F (40°C). Refer to the Safety Data Sheet (SDS) for handling and hazard data.

Physical Properties

Appearance	Clear to white
Odor	Mild oily
Specific Gravity.....	1.04
Product Density	8.83 lb./gal
Flash Point.....	>215°F
Boiling Point.....	N.A.
Freezing Point.....	< 10°F
pH (neat)	6.0 - 9.0
Solubility	Dispersible in water
Chemical Family.....	Synthetic Polymer

Ordering Information

StimSTREAM FR 9400 is available in pails, totes, bulk, and Isotainers. Contact information is below.

Call us at 724-915-8388, or visit us on the web at www.chemstream.com
511 Railroad Avenue, Homer City, PA 15748 | Office 724-915-8388 | Fax 724-915-8374

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chemstream does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing about the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, about the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.