



CoilSTREAM VB 400 VISCOSITY BUILDER

CoilSTREAM VB 400 is an organic polysaccharide polymer that builds viscosity and is used as a thickening agent in frac plug drill outs. It serves as a stable suspended viscosifying aid for displacements, sweeps, and spacers. CoilSTREAM VB 400 excels in building sweep viscosity in heavily produced flow back water as well as production brines. It continues to build viscosity as you add more product. CoilSTREAM VB 400 hydrates rapidly and does not need time or fresh water to fully hydrate. CoilSTREAM VB 400 suspends sand and solids during drill outs. This product brings well bore debris and plugs parts to surface in all types of water. CoilSTREAM VB 400 is the best gelling agent to use in all intervention work overs.

Dosage

2 1/2 Gallons per 10 bbls of produced water	60+ Viscosity
5 Gallons per 10 bbls of produced water	80+ Viscosity

Benefits

- Builds viscosity in all types of water rapidly and under adverse field and water conditions
- Helps lower circulating pressures as it builds viscosity
- Easy to handle in the field
- Pours well in cold weather
- Available in 5 gallon buckets or totes
- Appalachian Basin Tested for building viscosity

Compatibility

Because of its ionic character, CoilSTREAM VB 400 is compatible with the fluid systems and additives used in the frac plug drill out process. This product has been shown to have negligible impact on gel, crosslinked, gel, FR, and lube systems.

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	Tan viscous liquid
Odor	Mild hydrocarbon
Specific Gravity	1.06
Product Density	8.85 lb./gal
Flash Point	>140°F
Boiling Point	> 240°F
Freezing Point	< 20°F
pH (neat)	N/A
Solubility	Dispersible in water

Ordering Information

Available in 5 gallon buckets or totes

Dave Grottenthaler	412-999-2049
Jerry Berringer	724-787-2302
Keith Houseknecht	570-447-1283

Call us at 877-671-1694, or visit us on the web at www.chemstream.com

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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.