

LIQUI-VIS® EP

Viscosifier

Product Data Sheet

Product Description

LIQUI-VIS® EP viscosifier is a high purity HEC polymer dispersed in a water soluble carrier. It is designed to viscosify fresh water and low weight brines for drill-in fluid applications. LIQUI-VIS EP viscosifier does not increase gel strength or provide improved fluid loss control. LIQUI-VIS viscosifier can also be used to prepare displacement spacers and clean the hole while milling. This product mixes easily in all brines, is acid soluble, and is suitable for use up to 200°F (93°C).

Applications / Functions

- Clean the hole while milling or underreaming
- Viscosify carrier fluids used for gravel packing
- Prepare spacer for displacement
- Friction reducer for coiled tubing applications

Advantages

- Contains no petroleum hydrocarbons that may cause sheening
- Does not form lumps or fish-eyes
- Does not contain organophilic clays
- Minimizes formation damage
- Disperses easily into fresh water or brine with minimum shear
- Can develop a smooth, uniform viscosity as illustrated in the following graph

Typical Properties

- | | |
|-------------------------------------|----------------------|
| • Appearance | Off-white suspension |
| • Flash point, PMCC > | 200°F (93°C) |
| • Pour point, < | 50°F (10°C) |
| • Specific gravity, @ 75°F (23.9°C) | 1.08 |

Recommended Treatment

Mix 0.3 to 2.0 gal/bbl (0.72-47.6 l/m³) of LIQUI-VIS EP viscosifier per barrel of fluid according to the brine type.
 Add through mixing hopper if available.
 Mix LIQUI-VIS EP viscosifier with water or brine having a neutral pH for maximum effectiveness.
 Note: Viscosity can be enhanced by raising the pH after the LIQUI-VIS EP viscosifier has dispersed.

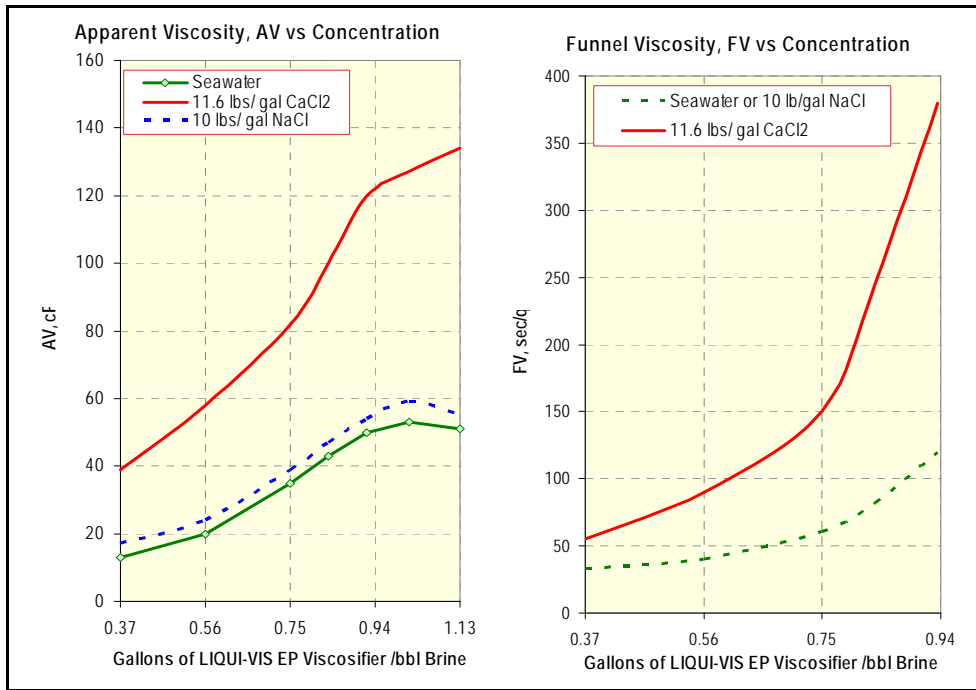
Packaging

LIQUI-VIS EP viscosifier is packaged in 5-gal (18.9-l) cans containing 45-lb (20.4-kg) net weight.

www.halliburton.com/baroid

Because the conditions of use of this product are beyond the seller's control, the product is sold without warranty either express or implied and upon condition that purchaser make its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or if damaged. Except for such replacement, seller is not liable for any damages caused by this product or its use. The statements and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made, however.

LIQUI-VIS is a registered trademark of Halliburton © 2010 Halliburton All Rights Reserved



www.halliburton.com/baroid

Because the conditions of use of this product are beyond the seller's control, the product is sold without warranty either express or implied and upon condition that purchaser make its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or if damaged. Except for such replacement, seller is not liable for any damages caused by this product or its use. The statements and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made, however.

LIQUI-VIS is a registered trademark of Halliburton © 2010 Halliburton All Rights Reserved