JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

SPECVIS X EF

Liquid Xanthan Gum Viscosifier

General Description

SPECVIS X EF is an environmentally friendly liquid Xanthan Gum viscosifier designed to provide rapid and uniform viscosity development in drilling, completion, workover fluids and fluids used in water well and seismic operations. High concentrations can be used separately or in circulation problems. **SPECVIS X EF** will not separate in storage and pours easily at all temperatures.

Physical Properties

Specific Gravity	9.5 - 9.7
pH, 2 lbs./bbl. Fresh Water	6.5 - 7.5
Pour Point	26° F
Flash Point	$> 200^{\circ} \text{F}$

Use & Recommendations

- i. Will provide rapid and uniform viscosity in wide range of water-based drilling, completion and workover fluids. 5 gallons per 20 bbls of fluid typically yields 35 40 sec/qt.
- ii. Will provide rapid viscosity development in water well and seismic drilling operations.
- iii. Will reduce sloughing, swelling and dispersion of sensitive shales under certain conditions.
- iv. Will provide excellent characteristics during Nitrogen/coil tubing operations.
- v. Will provide fluid loss control when used in conjunction with other drilling mud additives.
- vi. Can be broken and removed by acidizing, enzymes or oxidizing.
- 7) Compliant with MMS Oil & Grease Regulations and will pass regulations for discharge offshore of < 29ppm.
- 8) Will pass EPA Static Sheen Test.

Availability

SPECVIS X EF is available in UN approved 5 gallon pails, 55 gallon drums and bulk quantities.

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.