



HEC 10 POLYMER

DESCRIPTION

HEC 10 polymer is non-ionic, high molecular weight hydroxyethyl cellulose designed to viscosify water-based fluids.

PROPERTIES

Physical		Chemical	
Appearance:	Off-white powder	Type:	Hydroxyethyl cellulose
Specific Gravity:	1.38-1.40	Solubility:	Soluble (water)
Moisture		pH	Not available
Content:	Not available	Microtox:	>91% @ (1.0 kg/m ³)
Flash Point:	400°C		

APPLICATION

HEC 10 has been surface treated to disperse rapidly and hydrate easily in water. A solution of 15% HCl will effectively break the viscosity of HEC 10. HEC 10 is a cost effective viscosifier/fluid loss control agent widely used in the following applications:

- Low Solids Drilling Fluids
- Completion and Workover Fluids (including acids)
- Fracturing Fluids
- Horizontal Drilling
- Fluid Loss Control and Friction Reduction in Oilwell Cements and Spacers

HEC 10 is compatible with all common drilling and completion fluid additives and will effectively viscosify clear brines ranging from low weight sodium chloride to saturated calcium chloride and bromide mixtures. In the absence of a high pH and/or high salinity, a bactericide such as T-352 should be used to prevent bacterial decomposition.

MIXING AND HANDLING

Can be mixed directly through the hopper. When added to brines (in some mixing systems) the agitation may cause foaming to occur. Pre-treatment with appropriate defoamers (XL Defoamer, Defoamer Silicone) should be considered if pilot tests indicate a potential foaming problem. It is advisable to use a dust mask and eye protection while mixing all powdered products.

WHMIS: Not controlled	TDG: Not regulated	PACKAGING: 50 lb sack
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