

drilling fluids additives

shale inhibitors

S-ES HYB HS

S-ES HYB HS is a cationic organic multivalent clay inhibitor for polymer based drilling, workover and completion fluids. S-ES HYB HS is a liquid replacement for KCl , completely water soluble and environmentally acceptable.

S-ES HYB HS is an effective clay inhibitor for water sensitive formations and shows excellent shale stabilisation properties. S-ES HYB HS prevents clay swelling caused by water molecules invasion and limits cuttings dispersion. S-ESHYB HS has a small ionic radius, allowing easy substitution on the exchange sites for the sodium ion, thereby effectively blocking the site for water hydration. S-ES HYB HS can be used in conjunction with common water based additives. By inhibiting shales or gumbo clays, S-ES HYB HS also minimizes the accretion potential and consequently bit - and BHA- balling. Drill cuttings tend to be non sticky, firm and easily removed from the shale shakers when using S-ES HYB HS. S-ES HYB HS has no adverse effects on viscosity and filtration properties of the mud. S-ES HYB HS is non-foaming, non oil-wetting, mildly cationic product.

Treatment

S-ES HYB HS is designed to be used at pH range of 10.5 or less. S-ES HYB HS recommended treatment is in the range of 1-3% v/v depending on shale reactivity. S-ES HYB HS may be used in freshwater, seawater, saltwater, low-solids or weighted systems. S-ES HYB HS can be added directly to the mud system.

Typical Properties

Appearance:	liquid
Density :	1.0 – 1.1 kg/l
pH as is:	9.0 - 10.5
Water solubility:	soluble
Pour Point:	< -10C

Packaging

55 US gal non returnable drums, palletized, strapped and shrink wrapped (4 drums per pallet); 5 gal cans, palletized, shrink wrapped; 275 gal totes / 1000 liters IBC.

Warranty - This information is given in good faith and to the best of our knowledge. Every user of our products is responsible as regards observation of all legal regulations including patent laws. Detailed information on handling, and eventual precautions to be observed in the use of the product can be found on our relevant Health and Safety Information Sheet.

