

1. GENERAL INFORMATION

S-ES BIO XG is a Xanthan Gum used in drilling, completion, and work-over operations.

S-ES BIO XG is used primarily as viscosifier and suspending agent.

2. APPLICATION

S-ES BIO XG can be used in fresh water, brackish water or saturated salt systems and it is unaffected by most contaminants.

Drilling:

S-ES BIO XG provides excellent hydraulics in makeup waters ranging from fresh water up to saturated salt water.

S-ES BIO XG is fast hydrating and is mainly used in low solid drilling fluids as a viscosifier.

S-ES BIO XG contributes in improving the rate of penetration and preventing the settling of solids when the circulation is stopped.

Gravel Packing:

S-ES BIO XG, because of its high pseudoplasticity, carries efficiently a high gravel concentration and keeps it adequately in suspension. The shear thinning properties allow an efficient separation and release of the gravel at the screen.

Packer fluids:

Suspending characteristics associated with a good pumpability are properties that can be achieved by using S-ES BIO XG, keeping at the same time a low damaging potential.

S-ES BIO XG drilling fluids have been used up to 300°F (150°C).

Using S-ES BIO XG as primary viscosifier and suspending agent, bentonite concentration can be reduced, and high temperature gelation is minimized.

3. TREATMENT

S-ES BIO XG should be slowly added to the drilling fluid at a rate of about 10-20 min/sk.

S-ES BIO XG is generally used at concentration of 1.5 - 4.0 kg/m³.

4. TYPICAL PROPERTIES

Appearance:	free flowing powder
Colour:	cream
Brookfield LVT viscosity (1% soln in 1% KCl soln):	700–2000 cP
pH (1% DW solution):	7 approx
Moisture content:	15% max
Particle size (pass through 20 mesh ASTM screen):	98% min

5. PACKAGING

25 kg multi wallpaper bags (internal PE), palletized, shrink wrapped (40 bags per pallet).

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.