

INFORMATION

POLYFIX

POLYMER THERMAL STABILIZER

DESCRIPTION

POLYFIX is a liquid blend of high molecular weight organic compounds and alkaline materials designed to retard thermal, oxidative, and hydrolytic degradation of polysaccharides and cellulose polymers. POLYFIX extends the functional performance of polymers to temperatures 75° to 100° F above their normal limits.

APPLICATION

POLYFIX is useful in most drilling fluids when bottom-hole temperatures exceed levels normally tolerated by starch based polymers, xanthan and guar gums, CMC, HEC, and other related polymers. Depending upon which polymers are in use, drilling and completion fluids treated with POLYFIX can be stabilized at temperatures up to 375° F. Treatment with POLYFIX greatly reduces consumption of polymers in hot wells.

RECOMMENDED TREATMENT

Dosage will vary depending upon specific conditions, but generally concentrations of 1 to 2 ppb will provide required thermal stability. Treating only that portion of the fluid system which will be exposed to high bottom-hole temperatures gives greatest economy and effectiveness, e.g., treatment of the fluid to be left downhole just prior to tripping.

PACKAGING

POLYFIX is packaged in 25 kg pails and in 55 gal, poly-lined steel drums.

POLYFIX is a Messina trademark