SGA-HT® Acid System Gelling Agent

SGA-HT® acid system gelling agent is a high-temperature gelling agent that can be used to gel most acid systems. It also acts as a friction reducer.

Applications

SGA-HT acid system gelling agent can be used at temperatures up to 400°F (204°C). Typical treatment concentrations are 10 to 30 gal SGA-HT acid system gelling agent per 1,000 gal of acid solution when used as a gelling agent. When used as a friction reducer, SGA-HT acid system gelling agent concentrations of 0.5 to 2 gal/Mgal are often used.

Features

SGA-HT acid system gelling agent provides the same viscosity in live and spent acid. No breaker system is available for this gelling agent when used in acid systems; however, treatment results indicate that breakers are usually unnecessary. Returned treatment fluids containing SGA-HT acid system gelling agent exhibit very low viscosity.

When SGA-HT acid system gelling agent is used as a friction reducer in aqueous non-acid fluids, OptiKleen-WF™ fracture cleaning enhancer may be included as a breaker.

Compatibility

SGA-HT acid system gelling agent effectively gels all concentrations of hydrochloric acid (HCl), MOD™ Acid, Fe Acid® acidizing composition, HTA-710, MCA™ mud cleanout acid, and chemically retarded acid. SGA-HT acid system gelling agent exhibits rapid gelation in formic acid, MSA™ multiservice acid, and water solutions. Therefore, when SGA-HT acid system gelling agent is used with any of these materials, it should be mixed using a blender.

Benefits

SGA-HT acid system gelling agent can provide the following benefits:

- It helps decrease fluid leak-off and acid/formation contact, resulting in deeper acid penetration.
- SGA-HT acid system gelling agent can increase the viscosity of foamed live or spent acid, thus improving foam stability.
- Acid gelled with SGA-HT acid system gelling agent can be used to transport solids, such as 100-mesh sand or proppant.
- Although other gelling agents are ineffective above 300°F (149°C), SGA-HT acid system gelling agent can be used at temperatures up to 400°F (204°C).

SGA-HT acid system gelling agent is cationic; this gelling agent should therefore only be used with other chemical additives that are cationic or nonionic in nature.

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<td><strong>Part No. (HalTank™)</strong></td>
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<td>Part No. (51-gal drum)</td>
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