GS-5™ Additive

GS-5™ additive is the viscosifying component of LGC-V™ and LGC-VI™ liquid gel concentrates.

Applications

Liquid gel concentrates allow the convenient addition of polymer gelling agents to water. LGC-V and LGC-VI diesel-based concentrates were developed for use with superconcentrates of guar-derivative polymers. GS-5 additive helps viscosify the hydrocarbon fuel (diesel) and suspend the LGC-V and LGC-VI slurries.

LGC-V and LGC-VI concentrates can be used with the following base fluids:
- fresh water
- sodium chloride brines
- potassium chloride water
- water containing Clayfix II additive
- water-methanol mixtures containing up to 30% methanol

The yielded gel can be used in several of Halliburton’s aqueous crosslinked fracturing systems.

Compatibilities

GS-5 additive is incompatible with strong oxidizers.

Benefits

Liquid gel concentrates provide the following benefits:
- no fish eyes
- rapid, uniform base-gel viscosity development
- reduced tank-cleaning and disposal expenses for batch-mixed applications
- minimal polymer waste if shutdown occurs

<table>
<thead>
<tr>
<th>GS-5™ Additive—Product Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part No. (50-gal drum)</td>
</tr>
<tr>
<td>Part No. (Bulk)</td>
</tr>
<tr>
<td>Form</td>
</tr>
<tr>
<td>Specific Gravity</td>
</tr>
</tbody>
</table>

HALLIBURTON
Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.