CL-23™ Crosslinking Agent

CL-23™ delayed-crosslinking agent is compatible with carbon dioxide (CO₂) when used with certain buffering agents.

Applications
CL-23 crosslinker can be used at bottomhole temperatures (BHTs) up to 275°F (135°C). Required crosslinker concentrations depend on the buffering system used.

Features
Crosslink times for CL-23 crosslinker are determined by fluid pH.

Benefits
CL-23 crosslinker can provide the following benefits:
• It can be diluted with fresh water for metering.
• CL-23 crosslinker allows the use of CO₂, which can help operators recover fracturing fluids after treatments and reduce fluid/formation contact. Consequently, formation damage and fracture-conductivity damage is reduced.

CL-23™ Crosslinker—Product Specifications

<table>
<thead>
<tr>
<th>Part No. (55-gal drum)</th>
<th>Specific Gravity</th>
<th>pH</th>
<th>7.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part No. (330-gal drum)</td>
<td>Clear, colorless liquid</td>
<td>Bulk Density</td>
<td>9.81 lb/gal</td>
</tr>
<tr>
<td>Form</td>
<td></td>
<td>Boiling Point</td>
<td>225°F (107°C)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.178</td>
<td>Flash Point</td>
<td>&gt;200°F (&gt;93°C)</td>
</tr>
</tbody>
</table>
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