Cementing

SA-541™

Suspending Aid

When cement slurries containing SA-541™ suspending aid are heated to temperatures greater than 150°F (65.5°C), the material yields to suspend downhole solids.

Applications

SA-541 suspending aid is effective at bottomhole temperatures (BHTs) between 150° and 350°F (65.5° and 176.6°C). Required concentrations depend on several factors, such as water-to-cement ratio and the presence of potassium chloride (KCl). Under normal circumstances, however, the necessary concentration of SA-541 suspending aid should not exceed 0.5% by weight of cement (BWOC).

Compatibility

SA-541 suspending aid is not effective in saturated-salt slurries. SA-541 suspending aid is a mild cement retarder.

Benefits

SA-541 suspending aid can provide the following benefits:

- It has little effect on surface-mixing viscosity.
- SA-541 suspending aid counteracts the thermal thinning of cement slurries, allowing the slurries to be mixed more easily.
- It has a shelf-life of up to 24 months and is not classified as a hazardous waste by the Environmental Protection Agency (EPA).

### SA-541 Suspending Aid—Product Specifications

<table>
<thead>
<tr>
<th>Part No. (50-lb bag)</th>
<th>Specific Gravity</th>
<th>Bulk Density</th>
<th>pH</th>
<th>Flash Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>516.01068 (100008911 SAP)</td>
<td>1.400</td>
<td>36 lb/ft³</td>
<td>10.1</td>
<td>&gt; 200°F (&gt; 93°F)</td>
</tr>
</tbody>
</table>

Form

Off-white to yellow, solid powder

www.halliburton.com