SA-541™ is a suspending aid and free-water-control agent. 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).

<table>
<thead>
<tr>
<th>Part No. (50-lb bag)</th>
<th>100009911</th>
<th>Bulk Density</th>
<th>36 lb/ft³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Off-white to yellow, solid powder</td>
<td>pH</td>
<td>10.1</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.400</td>
<td>Flash Point</td>
<td>&gt;200°F (&gt;93°C)</td>
</tr>
</tbody>
</table>
For more information on the benefits SA-541™ Suspending Aid can bring to your cementing operations, contact your local Halliburton representative.