Halad®-9 additive is a blend of a cellulose derivative and a dispersant. It provides fluid loss control in all API classes of cement.

**Applications**
Halad-9 additive was developed for primary or squeeze operations. It can be used in wells with bottomhole circulating temperatures (BHCTs) between 60° and 300°F (15.5° and 149°C). In most cements, additive concentrations of 1% or less provide adequate fluid-loss control. However, additive concentrations can be varied for individual well requirements.

**Features**
Halad-9 additive is available as a free flowing powder that can be added to dry cement or as a liquid that can be added to the mixing water. As a secondary feature, Halad-9 additive acts as a cement retarder.

It also imparts thixotropy to slurries containing SCR-100™ retarder.

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<thead>
<tr>
<th>Halad®-9 Additive—Product Properties</th>
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<tbody>
<tr>
<td><strong>Part No.</strong></td>
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<tr>
<td><strong>Form</strong></td>
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<tr>
<td><strong>Specific Gravity</strong></td>
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**Benefits**
Halad-9 additive can provide the following benefits:
- It helps keep horsepower requirements low by controlling viscosity and circulation pressures.
- Halad-9 helps control gas migration and can improve squeeze cementing results.
- It helps protect water-sensitive formations.
- This additive can allow a better cement/ casing bond and helps maintain slurry density.
For more information on the benefits Halad®-9 Fluid-Loss Additive can bring to your cementing operations, contact your local Halliburton representative.