Fe-5A™ iron-control agent is an 80% active solution of Fe-5™ iron-control agent. It is the active component in the Ferchek® SC iron-reduction system.

**Applications**

When used with HII-124B™ or HII-124C™ intensifier, Fe-5A iron-control agent helps reduce ferric iron to ferrous iron in unspent acid.

Fe-5A agent is effective at temperatures up to 250°F (120°C). Agent concentrations vary depending on the amount of hydrochloric acid (HCl) present in the system.

**Features**

The reduction rates and efficiency of Fe-5A agent increase as acid spends; however, the agent still provides almost instantaneous iron reduction in the presence of HCl concentrations as high as 28%.

**Benefits**

Fe-5A iron-control agent can provide the following benefits:

- Because of its extended shelf life, it will not undergo detectable degradation over time.
- It is effective in HCl concentrations between 0.1 and 28%.
- Fe-5A agent is more cost-effective than most other iron-control agents.
- It is soluble and stable in all concentrations of aqueous acids and will not form precipitates with dissolved formation products or interact with produced water solutes (brines).

### Fe-5A™ Iron-Control Agent—Product Specifications

<table>
<thead>
<tr>
<th>Part No. (55-gal drum)</th>
<th>100003811</th>
<th>pH</th>
<th>1.04</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Clear liquid</td>
<td><strong>Boiling Point</strong></td>
<td>221°F (105°C)</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>1.298</td>
<td><strong>Flash Point</strong></td>
<td>212°F (100°C)</td>
</tr>
<tr>
<td><strong>Bulk Density</strong></td>
<td>10.81 lb/gal</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.