LoSurf-259™ Nonemulsifier is a nonionic, nonemulsifier blend specifically designed for acidizing limestone and dolomite formations. It has also been effective in sandstone acidizing and fracturing treatments.

**Applications**

Emulsion tests should be performed with LoSurf-259 nonemulsifier for determining the most effective treatment concentration for the particular fluid or formation crude being used. Typical treatment concentrations for acidic fluids are 0.5% or less. In nonacid, aqueous fluids, typical concentrations are 0.05 to 0.1%.

**Features**

LoSurf-259 nonemulsifier disperses well in 15% hydrochloric acid (HCl), spent HCl, and other aqueous-based fluids. At concentrations of 0.1 to 0.2%, it is turbid, but it does not layer or form a precipitate on the surface of the formation.

**Benefits**

LoSurf-259 nonemulsifier can provide the following benefits:

- It does not degrade in live HCl.
- Compatibility tests performed with chemically retarded acid have shown that LoSurf-259 nonemulsifier does not adversely affect acid reaction times.
- It does not overtreat when used alone or with Musol® mutual solvent.
- Tests indicate that LoSurf-259 nonemulsifier water-wets both sand and limestone.

### LoSurf-259™ Nonemulsifier—Product Specifications

<table>
<thead>
<tr>
<th>Part No. (55-gal drum)</th>
<th>100003620</th>
<th>Bulk Density</th>
<th>7.66 lb/gal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part No. (330-gal tank)</td>
<td>100012202</td>
<td>Boiling Point</td>
<td>198°F (92°C)</td>
</tr>
<tr>
<td>Form</td>
<td>Clear, amber liquid</td>
<td>Pour Point</td>
<td>-50°F (-45°C)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.920</td>
<td>Flash Point</td>
<td>63°F (17°C)</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.