Parasperse® LR Cleaner
Oil-Soluble, Water-Dispersible Paraffin Cleaner

Accumulated deposits in the wellbore and surface flowlines often hamper production of paraffin-based and asphalt-based crude oils. Unless these deposits are removed, crude production gradually decreases, and expensive mechanical failures may result.

Parasperse® LR cleaner was primarily developed for use as an oil-soluble, water-dispersible paraffin cleaning agent, but it has other significant applications.

Applications
Parasperse LR additive can be used for the following applications:

- cleaning wellbores and tubing
- cleaning flowlines
- aiding placement of paraffin inhibitors
- serving as a preflush for stimulation
- acidizing
- removing deposits

Benefits
Parasperse LR additive provides the following benefits:

- It can be placed in hydrocarbon or aqueous carrier fluids.
- The additive is compatible with paraffin inhibitors.
- It allows the use of versatile placement techniques.
- Parasperse LR does not require elevated temperatures.

<table>
<thead>
<tr>
<th>Parasperse® LR Paraffin Cleaner—Product Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part No.</td>
</tr>
<tr>
<td>Form</td>
</tr>
<tr>
<td>Specific Gravity</td>
</tr>
<tr>
<td>Boiling Point</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.