**Paragon™ Solvent**

Paragon™ solvent (xylene) is used to dissolve solid or semisolid paraffin and asphaltene deposits that form on or near the formation face and on tubular goods. Table 1 lists the properties of Paragon solvent.

**Applications**

Paragon has many uses in the petroleum industry. Paragon can be used to clean up producing wells by circulating or spotting down hole, or to degrease a producing well to be placed on waterflood. Paragon solvent can be used as a preflush for scale removal to remove oily deposits from the surface of the scale, which helps the effectiveness of scale-removal treatments.

Paragon solvent can be used for other purposes when other materials are added. Adding Hyflo® IV M allows the solvent to be used for the removal and prevention of emulsion blocks. Paragon solvent is an excellent carrier for Parachek® 160 or Tarchek™ in a chemical placement treatment. When properly placed, Parachek 160 protects against paraffin deposition while Tarchek protects against asphaltene deposition.

Paragon solvent is specifically recommended as the organic solvent phase of a PAD™ treatment. A surfactant, WS-36™ or WS-44™, and an acid solution are blended with Paragon for the PAD treatments. Paragon is also an ideal solvent for preparing N-Ver-Sperse O™ for the removal of oil-based drilling fluids. Adding Fe-1A to Paragon creates an oil-soluble acid (OSA).

**Benefits**

Paragon solvent can be obtained from local sources or from refineries with benzene/ toluene/xylene (BTX) units. Purchasing the solvent from a local source allows customers to more competitively price services for paraffin solvents.

The dissolution rate of asphaltene deposits can be enhanced nine-fold in a five-minute period with the addition of Targon® II to Paragon.

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**Paragon™ Solvent Product Specifications**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>100001628</th>
<th>Specific Gravity at 60°F</th>
<th>0.87</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (TCC)</td>
<td>81°F</td>
<td>Aromatic Content</td>
<td>≥ 99%</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear and colorless</td>
<td>Benzene Content</td>
<td>&lt; 300 ppm</td>
</tr>
</tbody>
</table>

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HALLIBURTON
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.