Stimulation

Targon® II Asphaltene Solvent

Targon® II asphaltene solvent is a highly polar organic material. It is added to aromatic solvents to help break the strong intermolecular bonds between asphaltene particles.

Applications

The typical concentration of Targon II asphaltene solvent is 1 to 10%. When used with aromatic solvents, Targon II asphaltene solvent can be circulated, spotted, or squeezed into the formation.

Targon II asphaltene solvent can be used with Oilsperse II dispersing agent to help remove oil-based drilling muds containing petroleum or gilsonite concentrations with high molecular weights. It can also be used for industrial cleaning of asphalt residues.

Compatibility

Targon II asphaltene solvent should be used only in aromatic solvents that have a Kauri-Butol (KB) value of 80 or greater. It is not miscible with solvents that have a KB value of less than 80.

These solvents include kerosene, gasoline, and diesel fuel. Targon II asphaltene solvent is less effective in the presence of high concentrations of paraffin.

Benefits

Targon II asphaltene solvent can provide the following benefits:

- It improves the capability of aromatic solvents to penetrate asphaltene deposits, increasing overall asphaltene dissolution.
- Based on laboratory tests, Targon II asphaltene solvent should not cause emulsion problems.
- It has a shelf-life of up to 24 months and is not classified as a hazardous waste by the Environmental Protection Agency (EPA).
- Targon II asphaltene solvent tends to maintain a water-wet condition in the formation.

### Targon® II Asphaltene Solvent—Product Specifications

<table>
<thead>
<tr>
<th>Part No. (55-gal drum)</th>
<th>Form</th>
<th>Boiling Point</th>
<th>Pour Point</th>
<th>Freezing Point</th>
<th>Flash Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>100010257</td>
<td>Clear, colorless liquid</td>
<td>395°F (201°C)</td>
<td>24°F (-31°C)</td>
<td>-75°F (-59°C)</td>
<td>199°F (92°C)</td>
</tr>
</tbody>
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