Silbreak* 400

Description
Silbreak 400 silicone demulsifier is an excellent candidate to consider for use in demulsifying heavy crudes under extreme conditions such as those experienced in heavy crudes stabilized by fine solids or sands.

Key Features and Benefits

- Powerful demulsification effect, particularly when combined with polyols or amine condensates
- Helps achieve clean separated water
- Effective at low dosage levels

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>–</td>
<td>Clear, light straw / light yellow</td>
</tr>
<tr>
<td>RSN</td>
<td>–</td>
<td>11.7(^{(1)}) or 7.0(^{(2)})</td>
</tr>
<tr>
<td>Density at 20°C</td>
<td>g•cm(^{-3})</td>
<td>1.020</td>
</tr>
<tr>
<td>Viscosity at 20°C</td>
<td>mm(^2)•s(^{-1})</td>
<td>2500</td>
</tr>
<tr>
<td>Flash Point Pensky-Martens Closed Cup ASTM D-93</td>
<td>°C</td>
<td>98</td>
</tr>
<tr>
<td>Solubility</td>
<td>–</td>
<td>Higher alcohols and aromatic hydrocarbons</td>
</tr>
</tbody>
</table>

(1) Established using toluene/tetrahydrofuran solution

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(2) Established using toluene/dimethoxyethane solution

The RSN value was determined experimentally.

Typical data are average data and actual values may vary. Typical data shall not be used as product specifications.

**Potential Applications**

As with many Silbreak demulsifiers, Silbreak 400 silicone demulsifier is not intended to replace organic demulsifiers. Rather it should be blended with organic demulsifiers at levels ranging from 2 to 25% to boost the effect or clean up the separated water.

Silbreak 400 silicone demulsifier generally shows strong synergies with organic polyols and amine condensates. At levels as low as 2%, it can contribute to the clarity of the separated water. It is particularly effective on heavy crudes of less than 15° API.

Solvents recommended for use with Silbreak 400 silicone demulsifier include aromatics and alcohols. Dilutions should be used within a few days to avoid product and performance degradation. Appropriate care should be taken when using flammable solvents.

**Patent Status**

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

**Product Safety, Handling and Storage**

Silbreak 400 silicone demulsifier is best stored at temperatures between 0°C and 35°C to facilitate ease of handling, but storage at lower or higher temperatures will not affect subsequent defoaming performances.

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at

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may require additional precautions. Please review and follow the safety information
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Limitations
Customers must evaluate Momentive Performance Materials products and make their
own determination as to fitness of use in their particular applications.

Contact Information
For product prices, availability, or order placement, contact our customer service at
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