**DESCRIPTION**

SURFYNOL® 440 is a very good substrate wetting agent that offers good foam control with a moderate solubility in aqueous systems. It is suitable for waterborne coatings and inks.

**KEY BENEFITS**

- suitable for food contact compliant formulations
- good wetting of low-energy and/or contaminated substrates
- low-foam, dynamic surface tension reduction

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>active matter content</td>
<td>100 %</td>
</tr>
<tr>
<td>appearance</td>
<td>clear colored liquid</td>
</tr>
<tr>
<td>chemical description</td>
<td>ethoxylated acetylenic surfactant</td>
</tr>
<tr>
<td>solvent</td>
<td>-</td>
</tr>
</tbody>
</table>

**SOLUBILITY**

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Water</th>
<th>Ethanol</th>
<th>TPGDA</th>
<th>Acetone</th>
<th>Butylacetate</th>
<th>Mineral Spirits</th>
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</thead>
<tbody>
<tr>
<td>Not soluble</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

**EFFECT**

- Substrate wetting
- Anti-crater effect
- Flow promotion
- Defoaming
- Reduction of static surface tension
- Reduction of dynamic surface tension

**SUITABILITY**

- waterborne
  - not suitable
- solventborne
  - partly suitable
- 2-pack 100%
  - radiation-curing
  - not suitable
- pigmented coatings
  - partly suitable
- clear coatings
  - suitable

**TYPICAL APPLICATIONS**

- Printing Inks
- Architectural paints
- Wood coatings
- General industrial coatings

**RECOMMENDED ADDITION LEVEL**

As supplied calculated on total formulation: 0.1 - 1.5 %

**PROCESSING INSTRUCTIONS**

- Can be introduced in the grind and let-down stage.
- Addition to the coating as supplied or as a predilution is possible.

**HANDLING & STORAGE**

Keep containers tightly closed in a dry, cool, and well-ventilated place.

Product is normally freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40 °C and mix thoroughly before use.

**MSDS & REGULATORY INFORMATION**

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