Defoamer/deaerator for waterborne formulations

SURFYNOL® MD 20

DESCRIPTION

SURFYNOL® MD 20 is a very compatible molecular defoamer based on Gemini surfactant technology. Free of silicone and silica. Offers additional dynamic wetting properties.

KEY BENEFITS

- universal use in waterborne formulations
- effectiveness against macro- and micro-foam in combination with high compatibility
- highly recommended in combination with classical silicone-based defoamers or substrate wetting additives

APPLICATION RECOMMENDATION

- Brush application/roller application
- Airless spraying
- Compressed air spraying
- Flexo/gravure printing
- Dip coating, flow coating, curtain coating
- Flooring

SUITABILITY

- waterborne
- solventborne
- 2-pack 100%
- radiation-curing
- addition to the grinding stage
- addition to the let-down stage

TYPICAL APPLICATIONS

- Wood coatings
- General industrial coatings
- Printing inks
- Car OEM coatings

TECHNICAL DATA

<table>
<thead>
<tr>
<th>active matter content</th>
<th>100 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>appearance</td>
<td>clear colored liquid</td>
</tr>
<tr>
<td>chemical description</td>
<td>organic based Gemini molecular defoamer</td>
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<tr>
<td>solvent</td>
<td>-</td>
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</tbody>
</table>

SOLUBILITY

<table>
<thead>
<tr>
<th>Water</th>
<th>Ethanol</th>
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<tbody>
<tr>
<td>TPGDA</td>
<td>Acetone</td>
</tr>
<tr>
<td>Butylacetate</td>
<td>Mineral Spirits</td>
</tr>
</tbody>
</table>

| not soluble | partly soluble | soluble |

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 0.1 - 1.0 %

PROCESSING INSTRUCTIONS

Can be introduced in the grind and let-down stage.

HANDLING & STORAGE

SURFYNOL® MD-20 surfactant should be stored under dry and clean conditions between -10 °C and 50 °C. Product is freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40 °C and mix thoroughly before use. Please refer to Material Safety Data Sheet.

MSDS & REGULATORY INFORMATION

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Evonik Resource Efficiency GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | www.coating-additives.com