**DESCRIPTION**
Widely applicable wetting and dispersing additive for solventborne formulations. It shows very high color strength, especially with organic pigments and carbon blacks. It is suitable also for inorganic pigments.

**KEY BENEFITS**
- broad compatibility with various binders
- good stabilization for all kinds of pigments

**EFFECT**
- Viscosity reduction with organic pigments/carbon blacks
- Color intensity/gloss with organic pigments/carbon blacks
- Viscosity reduction with inorganic pigments/fillers
- Color intensity/gloss with inorganic pigments/fillers

**SUITABILITY**
- waterborne
- solventborne
- 2-pack 100%
- radiation-curing
- 2-pack coatings
- direct grind
- resin-containing pigment concentrates
- resin-free pigment concentrates

**TYPICAL APPLICATIONS**
- General industrial coatings
- Metal coatings
- Transportation coatings
- Coil coatings

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>active matter content</td>
<td>approx. 40 %</td>
</tr>
<tr>
<td>amine value (as supplied)</td>
<td>Approx 5 mg KOH/g</td>
</tr>
<tr>
<td>appearance</td>
<td>clear to slightly hazy liquid (product properties are not affected by haziness)</td>
</tr>
<tr>
<td>chemical description</td>
<td>solution of a high molecular weight polymer</td>
</tr>
<tr>
<td>solvent</td>
<td>methoxypropylacetate</td>
</tr>
<tr>
<td>viscosity at 25 °C</td>
<td>Approx 60 mPas</td>
</tr>
</tbody>
</table>

**SOLUBILITY**

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Water</th>
<th>Ethanol</th>
<th>TPGDA</th>
<th>Butylacetate</th>
<th>Mineral Spirits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>not soluble</td>
</tr>
<tr>
<td></td>
<td>partly soluble</td>
<td>soluble</td>
<td>partly soluble</td>
<td>soluble</td>
<td></td>
</tr>
</tbody>
</table>

**RECOMMENDED ADDITION LEVEL**
- As supplied calculated on inorganic pigment: 5 - 25 %
- As supplied calculated on organic pigment: 15 - 40 %
- As supplied calculated on carbon black: 40 - 85 %

**PROCESSING INSTRUCTIONS**
Add to the grind before dispersion.

**HANDLING & STORAGE**
When stored in an original unopened packaging between -10 and +40 °C, the product has a shelf life of at least 24 months from the date of manufacture.

**MSDS & REGULATORY INFORMATION**

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