Microlith® T
Stir-in pigment preparations for solvent-based coatings with high transparency

Key features
- Organic pigments predispersed in a modified rosin ester resin
- Dry powder, low dust processing
- Small particle size and extremely narrow particle size distribution
- Excellent color strength, gloss, light fastness and transparency, as well as outstanding dispersion

Wood coating with Microlith® T
- Easily incorporated into a variety of solvents with dissolvers or high-shear mixers without preliminary milling
- Suitable for wood stains, glazes and lacquers
- Combination with effect pigments offers endless styling opportunities
Microlith® T
Ideal for solvent-based coating systems

<table>
<thead>
<tr>
<th>Product name</th>
<th>Colour Index</th>
<th>Chemical type</th>
<th>Pigment content [%]</th>
<th>Fastness to light</th>
<th>Resistance to overlacquering</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Oak with NC [3%]*</td>
<td>Oak without NC [3%]*</td>
</tr>
<tr>
<td>Microlith® Black 0066 T</td>
<td>P.Bk.7</td>
<td>Carbon black</td>
<td>33</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Microlith® Yellow 2040 T</td>
<td>P.Y.110</td>
<td>Isoindoline</td>
<td>33</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Microlith® Brown 3001 T</td>
<td>P.BR.23</td>
<td>Azo condensation</td>
<td>30</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Microlith® Red 3890 T</td>
<td>P.R.144</td>
<td>Azo condensation</td>
<td>33</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Microlith® Blue 7080 T</td>
<td>P.B.15:3</td>
<td>Cu-phthalocyanine (β)</td>
<td>34</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Microlith® Green 8750 T</td>
<td>P.G.7</td>
<td>Cu-phthalocyanine halogenated</td>
<td>33</td>
<td>7</td>
<td>7</td>
</tr>
</tbody>
</table>

Guidelines for incorporation
An important factor in the incorporation of Microlith® T pigment preparations into surface coatings is the solubility of the carrier resin in the various types of solvents normally used. Microlith® T pigment preparations have:
- very good dispersibility in aromatic hydrocarbons and chlorinated hydrocarbons
- good dispersibility in esters, ketones and glycol ethers
- limited dispersibility in aliphatic hydrocarbons and higher alcohols
- no dispersibility in water, methanol and ethanol

Compatibility with solvents and binders
The carrier resin in Microlith® T pigment preparations has good compatibility with many binders and additives. It is not very reactive, is very pale in color and has good resistance to heat, oxidation and yellowing. The carrier resin has good compatibility with the following binders:
- nitrocellulose
- nitrocellulose combination lacquers
- alkyd resins
- styrenated alkyd resins
- alkyd melamine formaldehyde systems

Formulation guidelines for the preparation of a wood stain
**Incorporation:** Prepare a mixture of all solvents required. Then add the Microlith® T while mixing and mix 30 minutes with a dissolver at a peripheral impeller speed of 9m/sec.

<table>
<thead>
<tr>
<th>Concentrate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>60%</td>
</tr>
<tr>
<td>Butyl acetate</td>
<td>20%</td>
</tr>
<tr>
<td>Microlith® T</td>
<td>20%</td>
</tr>
<tr>
<td></td>
<td>100%</td>
</tr>
</tbody>
</table>

Reduction
Reduction to the desired final concentration by dilution with appropriate solvents.

Contact

Europe
BASF Colors & Effects GmbH
An der Rheinschanze 1
67059 Ludwigshafen
Germany

Asia
BASF Colors & Effects Shanghai Ltd.
No. 300, Jiangxinsha Road
200137 Shanghai
P.R. China

North America
BASF Colors & Effects USA LLC
24710 West Eleven Mile Road
Southfield, MI 48034
USA

South America
BASF S/A
Av. das Nações Unidas, 14171
Morumbi 04538-132, São Paulo
Brazil

Visit our website: www.colors-effects.basf.com

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed. (07/2017)

® = Registered trademark of the BASF Group

BCE 2017 1