Water based pigment dispersions for the printing ink industry

HEUCOSPERSE™ & MICROSPERSE™
About us

Heubach combines manufacturing, global access to high-performance pigments and downstream processing into preparations for various applications. Backwards integration into organic and inorganic pigments results in economic and high-quality pigment preparations. Our extensive pigment know how, as well as decades of experience in development and production of pigment preparations, supported through our global market presence is a major guarantee to produce high quality pigment preparations.
Flexible pigment solutions for print

Heubach produces organic pigments and pigment preparations for a wide range of printing inks including offset inks, publication gravure inks, solvent-based packaging inks, water-based packaging inks and decorative laminate inks.

Offering increased flexibility, Heubach pigment preparations streamline processes and the manufacturing cycle of water-based liquid inks, enabling you to respond quickly to customer demands without compromising quality or performance.

Water based inks provide an ideal solution for sensitive applications such as those involving food. Aside from the environmental benefits, using water also helps streamline the manufacturing process at the printer’s site. Heubach’s extensive range of HEUCOSPERSE™ and MICROSPERSE™ pigment preparations not only meet these demands but also offer excellent gloss, high tinting strength, broad compatibility and outstanding transparency.
Composition:
- Pigment (average 35%)
- Ammonia Stabilized Acrylic Resin
- Water
- Pigment to Styrenated Acrylic Resin Ratio of 4:1
- No Surfactants, Wetting Agents, Defoamers or Additives

Advantages:
- Broad Compatibility
- Extensive Pigment Selection
- Excellent Strength, Gloss & Transparency
- Controlled Color Consistency
- Stir-in

HEUCOSPERSE™ I
The original high quality resinated dispersion line formulated for a variety of paper and film packaging applications.

Due to the limitation of the printing process, some slight variations between the color as illustrated above versus the colorant may be observed.
HEUCOSPERSE™ II

This pH neutral resin-based dispersion series offers exceptional stability and low odor for certain discriminating pressroom environments.

Composition:
- Pigment (average 35%)
- Acrylic Resin
- Water
- Pigment to Resin Ratio of 4:1

Advantages:
- Broad Compatibility
- Excellent Strength, Gloss & Transparency
- Low Odor For Ink Manufacturers and Converters
- Excellent Rheological Properties and pH Stability
- Controlled Color Consistency
- Stir-in

HEUCOSPERSE™ III

HEUCOSPERSE™ III

Designed to rival “chip quality” this resinated series is ideal for high quality applications, including foil printing, where maximum transparency and high gloss are required.

Composition:
- Pigment (average 25%)
- Ammonia Stabilized Acrylic Resin
- Water
- Pigment to Styrenated Acrylic Ratio of 3:2
- No Surfactants, Wetting Agents, Defoamers or Additives
- Stir-in

Due to the limitation of the printing process, some slight variations between the color as illustrated above versus the colorant may be observed.
**HEUCOSPERSE™ 8000**

This pre-stabilized resin containing product line delivers excellent shock resistance when blended with a wide variety of ink vehicles, making it an ideal choice for pressroom dispensing units.

**Composition:**
- Pigment (average 25%)
- Ammonia Stabilized Acrylic Resin
- Water
- Pigment To Styrenated Acrylic Resin Ratio of 3:2

**Advantages:**
- Broad Compatibility
- Excellent Shock Resistance
- Excellent Gloss & Transparency
- Controlled Color Consistency
- Ideal For Ink Room Dispensing Units
- Stir-in

<table>
<thead>
<tr>
<th>Full Shade</th>
<th>Color Index</th>
<th>Product</th>
<th>Pigment Class</th>
<th>Pigmentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Pigment Red 169</td>
<td>HEUCOSPERSE™ - 8000 OY 9120</td>
<td>Diarylide Yellow AAOT</td>
<td>35 %</td>
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<tr>
<td>Red</td>
<td>Pigment Red 22</td>
<td>HEUCOSPERSE™ - 8000 RS 9130</td>
<td>Barium Red 2B</td>
<td>33 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Red 269</td>
<td>HEUCOSPERSE™ - 8000 RS 9135</td>
<td>Calcium Lithol</td>
<td>33 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Red 269</td>
<td>HEUCOSPERSE™ - 8000 RS 9135</td>
<td>Naphthol Red BS</td>
<td>35 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Red 269</td>
<td>HEUCOSPERSE™ - 8000 RS 9135</td>
<td>Naphthol Red MS</td>
<td>36 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Red 37:1</td>
<td>HEUCOSPERSE™ - 8000 OY 9136</td>
<td>Lithol Rubine HS</td>
<td>25 %</td>
</tr>
</tbody>
</table>

**HEUCOSPERSE™ 9000**

This versatile resinated series is ideal for both paper and film packaging applications, while offering excellent economic value and a wide color selection.

**Composition:**
- Pigment (average 35%)
- Ammonia Stabilized Acrylic Resin
- Water
- Pigment to Styrenated Acrylic Resin Ratio of 4:1

**Advantages:**
- Broad Compatibility
- Controlled Color Consistency
- Excellent Opacity and Mileage on Porous substrates
- Economic Solution for Kraft, Corrugated, Multwall Bags, Gift Wrap & Newsprint
- Stir-in

<table>
<thead>
<tr>
<th>Full Shade</th>
<th>Color Index</th>
<th>Product</th>
<th>Pigment Class</th>
<th>Pigmentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Pigment Orange 169</td>
<td>HEUCOSPERSE™ - 8000 OS 9230</td>
<td>Dianisidine Orange</td>
<td>28 %</td>
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<tr>
<td>Red</td>
<td>Pigment Red 22 :1</td>
<td>HEUCOSPERSE™ - 8000 OY 9230</td>
<td>Phthalocyanine Blue R/S</td>
<td>37 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Red 269</td>
<td>HEUCOSPERSE™ - 8000 RS 9135</td>
<td>Barium Lithol</td>
<td>31 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Red 269</td>
<td>HEUCOSPERSE™ - 8000 RS 9135</td>
<td>Naphthol Red BS</td>
<td>35 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Red 269</td>
<td>HEUCOSPERSE™ - 8000 RS 9135</td>
<td>Naphthol Red MS</td>
<td>36 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Red 37:1</td>
<td>HEUCOSPERSE™ - 8000 OY 9136</td>
<td>Lithol Rubine Heat Stable</td>
<td>33 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Red 37:1</td>
<td>HEUCOSPERSE™ - 8000 OY 9136</td>
<td>Lithol Rubine Heat Stable</td>
<td>33 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Red 49:2</td>
<td>HEUCOSPERSE™ - 8000 OY 9136</td>
<td>Calcium Lithol BS</td>
<td>35 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Red 169</td>
<td>HEUCOSPERSE™ - 8000 RS 9120</td>
<td>Rhodamine Red</td>
<td>32 %</td>
</tr>
<tr>
<td>Red</td>
<td>Pigment Violet 37</td>
<td>HEUCOSPERSE™ - 8000 OY 9610</td>
<td>Phthalocyanine Blue S/S</td>
<td>37 %</td>
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<tr>
<td>Red</td>
<td>Pigment Blue 79</td>
<td>HEUCOSPERSE™ - 8000 BS 9179</td>
<td>Aluminum Blue</td>
<td>35 %</td>
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<tr>
<td>Red</td>
<td>Pigment Blue 15</td>
<td>HEUCOSPERSE™ - 8000 BS 9130</td>
<td>Phthalocyanine Blue (Low Copper)</td>
<td>30 %</td>
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<tr>
<td>Red</td>
<td>Pigment Green 7</td>
<td>HEUCOSPERSE™ - 9000 OS 9450</td>
<td>Phthalocyanine Green</td>
<td>35 %</td>
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<tr>
<td>Red</td>
<td>Pigment Black 7</td>
<td>HEUCOSPERSE™ - 9000 KS 9720</td>
<td>Carbon Black</td>
<td>43 %</td>
</tr>
</tbody>
</table>

Due to the limitation of the printing process, some slight variations between the color as illustrated above versus the colorant may be observed.
This product grouping offers exceptional quality and transparency for higher end printing applications.

MICROSPERSE™

Composition:
- Pigment (average 35%)
- Ammonia Stabilized Acrylic Resin
- Water
- Pigment To Styrenated Acrylic Resin Ratio of 3:1

Advantages:
- Broad Compatibility
- Ultimate Gloss & Transparency
- Controlled Color Consistency
- Low Viscosity/High Pigment Loading
- Ideal for Higher Line Anilox Rolls
- Stir-in

This product grouping offers exceptional quality and transparency for higher end printing applications.

Advantages:
- Broad Compatibility
- Ultimate Gloss & Transparency
- Controlled Color Consistency
- Low Viscosity/High Pigment Loading
- Ideal for Higher Line Anilox Rolls
- Stir-in

- Pigment Yellow 14
- Pigment Red 2
- Pigment Red 22
- Pigment Red 57:1
- Pigment Blue 15-3
- Pigment Green 7
- Pigment Black 7

Full Shade | Color Index | Product | Pigment Class | Pigmentation
--- | --- | --- | --- | ---
Yellow | Pigment Yellow 14 | MICROSPERSE™ - YMW 1403 | Diarylide Yellow | 31 %
Red | Pigment Red 2 | MICROSPERSE™ - RMW 0201 | Naphthol MS | 40 %
| Pigment Red 22 | MICROSPERSE™ - RMW 2205 | Naphthol Y/S | 38 %
| Pigment Red 57:1 | MICROSPERSE™ - RMW 5715 | Lithol Rubine - Heat Stable | 33 %
| Pigment Blue 15-3 | MICROSPERSE™ - BMW 1535 | Phthalocyanine Blue G/S | 35 %
| Pigment Green 7 | MICROSPERSE™ - GMW 0702 | Phthalocyanine Green | 40 %
| Pigment Black 7 | MICROSPERSE™ - KMW 7001 | Carbon Black | 33 %

Due to the limitation of the printing process, some slight variations between the color as illustrated above versus the colorant may be observed.
Our Service

At Heubach, customer satisfaction comes first. As a supplier of high quality pigment and pigment preparation solutions we support our customers anywhere where pigments are in use.

With technical service centers both globally and regionally we provide our customers with the support essential for the implementation of customer-specific requirements and solutions.

Fully equipped technical laboratories and centers enable us to carry out tests for all relevant applications, such as printing inks, paints and coatings, including corrosion protection, coil and powder coatings and plastics. Custom-tailored color adjustments play a significant role in a wide variety of applications.

We have extensive expertise in the development of colors for a variety of ink applications. Depending on fastness properties, application or processing requirements, we can deliver the right color for your application.

Please contact us for further technical information and pricing.
E-Mail: sales@heubachcolor.com / Phone: 1 - 800 - HEUBACH
Our product specifications, application information and any other information in this document is based on our current state of knowledge at the Revision Date mentioned below. They are non-binding and cannot be taken as a guarantee. The processing company must establish the suitability of individual products itself. As their use lies beyond our knowledge and control, we cannot accept any liability relating to the use of our products in particular applications. In addition to that, the legal rights of third parties must always be considered. The specification agreed between the customer and ourselves is the basis upon which our general sales and delivery conditions are set and is the deciding factor concerning any liabilities. Our standard specification is then valid if no specification has been agreed upon between the customer and ourselves.

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