who offers high performance pigments for your coatings needs?

we do.

Predisol® CAB Catalog

Solutions. Tailor-Made.”

SunChemical®
a member of the DIC group
Predisol® CAB Catalog

The introduction of Predisol® CAB

Predisol® CAB is a finely pre-dispersed pigment preparation in granule, non-dusting form. They enable the formulation of coatings with excellent coloristic properties in a very short processing time. Predisol® CAB are primarily used for automotive finishes, both metallic and solid colors.

Predisol® preparations are characterized by high pigment content (up to 80 %) and ease of incorporation by simple stirring. The selected pigments are high performance organic and inorganic pigments with excellent weather-resistance and transparency. The carrier is a medium viscosity grade Cellulose Acetate Butyrate resin.

The main advantage of Predisol® CAB preparations lies in the fact, that the pigment particles are fully separated and completely wetted by the carrier resin. As a result this allows for development of the maximum color intensity, a cleaner hue and extreme transparency of the base pigment. Consequently a more intense “metallic flop” can be realized in metallic and pearlescent finishes. The intensity of chroma and cleanliness of hue is in most cases much better than that achieved from the same, dry pigment using conventional dispersion procedures, even with today’s modern efficient techniques.

The advantages of Predisol® CAB

- **Ease of dispersion**
  No need for grinding. Predisol® CAB preparations are formulated with a balance of pigment and resin to achieve complete incorporation after 30-45 minutes high speed stirring at the recommended peripheral speed.

- **Good compatibility**
  The selection of CAB has good compatibility with the common used acrylic resin, ketone and ester.

- **No additives**
  The preparations do not contain any other ingredients or additive, whereby potential formulation troubles are avoided.

- **Improved flow**
  The flow properties of the Predisol® CAB preparations are better than equivalent pigments that have been dispersed by conventional procedures. It is possible to achieve more intense dark colors especially in the red and maroon area, that cannot be achieved by pigment dispersed by conventional procedures, due to poor flow properties and thixotropy.

- **Jet black**
  The Predisol® CAB range contain a selection of high grade black pigments which provide a very deep black color with excellent jetness.

- **Good consistency**
  The simplified dispersion process reduces uncertainty in production. The quality consistency of the final product could be guaranteed more easily.

- **Ease in production**
  It is easier to clean a stirrer and impeller than other kind of dispersing equipment. The scale of production could be adjusted anytime without extra cost.

take advantage of the remarkable durability of our Predisol® CAB from Sun Chemical Performance Pigments.
The application of Predisol® CAB

- Automotive Coatings OEM
- Automotive Coatings Refinish
- Plastic Coatings

Other possible usage of Predisol® CAB

- Nitrocellulose Lacquers
- Air Drying Thermoplastic Acrylic Enamel
- Acid Curing Furniture Lacquers
- Wood Stains
- Polyurethane Finishes (check compatibility)

The illustration of dispersion process

- **Equipment required:**
  A set of high speed stirrer and suitable container is needed. The impeller with altered teeth is highly recommended.

- **Operation procedure:**
  
  1. Add the resin and solvent tint container slowly.
  2. Add Predisol® into the solution slowly under low speed stirring.
  3. After all the chips have been added, time counting begins. Have a lid or aluminum foil over it to avoid volatilization.
  4. Stir the solution at a linear velocity of 1500 m/min for 30-45 minutes before finished.

Notes:

- The linear velocity of the impeller should be higher than 1200 m/min (1500 m/min is strongly recommended).
- Linear velocity = RoundsPerMinute x π x diameter of impeller.
- The diameter of the impeller should be close to 1/3 of the diameter of the container.
- Impeller disc should be placed at 1/3 of the liquid depth.

Although the information presented here is believed to be reliable, Sun Chemical Corporation makes no representation or guarantee to its accuracy, completeness or reliability of the information. All recommendations and suggestions are made without guarantee, since the conditions of use are beyond our control. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Sun Chemical Corporation be liable for damages of any nature arising out of the use or reliance upon the information. Sun Chemical Corporation expressly disclaims that the use of any material referenced herein, either alone or in combination with other materials, shall be free of rightful claim of any third party including a claim of infringement. The observance of all legal regulations and patents is the responsibility of the user.
<table>
<thead>
<tr>
<th>Masstone</th>
<th>Tint 1:4</th>
<th>Product Code &amp; Trade Name</th>
<th>Color Index</th>
<th>Pigment/Blinder Content</th>
<th>CAB Type</th>
<th>Light Fastness</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Black 7 PLA 0624</td>
<td>PBK 7</td>
<td>33%/67%</td>
<td>531-1</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Black 7 PLA 2608</td>
<td>PBK 7</td>
<td>33%/67%</td>
<td>381-2 BP</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Black 7 PLA 3801</td>
<td>PBK 7</td>
<td>33%/67%</td>
<td>381-0.5</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Black 7 PLA 2609</td>
<td>PBK 7</td>
<td>33%/67%</td>
<td>531-1</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Black 7 PLA 2603</td>
<td>PBK 7</td>
<td>60%/40%</td>
<td>531-1</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Black 7 PLA 2604</td>
<td>PBK 7</td>
<td>50%/50%</td>
<td>381-0.5</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Blue 15:2 PBA 0628</td>
<td>PB 15:2</td>
<td>60%/40%</td>
<td>531-1</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Blue 15:4 PBA 2660</td>
<td>PB 15:4</td>
<td>75%/25%</td>
<td>531-1</td>
<td>8</td>
<td>7-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Blue 60 PBA 0683</td>
<td>PB 60</td>
<td>70%/30%</td>
<td>531-1</td>
<td>8</td>
<td>7-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Violet 23 PVA 2683</td>
<td>V 23</td>
<td>60%/40%</td>
<td>531-1</td>
<td>7-8</td>
<td>7-8</td>
</tr>
</tbody>
</table>

Predisol® CAB Catalog
<table>
<thead>
<tr>
<th>Masstone</th>
<th>Tint 1:4</th>
<th>Product Code &amp; Trade Name</th>
<th>Color Index</th>
<th>Pigment/Binder Content</th>
<th>CAB Type</th>
<th>Light Fastness</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Red 122</td>
<td>PR 122</td>
<td>60%/40%</td>
<td>531-1</td>
<td>8/7-8</td>
<td>Magenta , transparent &amp; brilliant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Red 177</td>
<td>PR 177</td>
<td>60%/40%</td>
<td>531-1</td>
<td>7-8/7-8</td>
<td>Transparent and high chroma</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Red 254</td>
<td>R 254</td>
<td>60%/40%</td>
<td>531-1</td>
<td>8/7-8</td>
<td>High chroma</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Red 179</td>
<td>R 179</td>
<td>60%/40%</td>
<td>531-1</td>
<td>8/7-8</td>
<td>Bluishperylen red, maroon</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Red 101</td>
<td>PR 101</td>
<td>50%/50%</td>
<td>531-1</td>
<td>8/7-8</td>
<td>Transparent &amp; durable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Yellow 110</td>
<td>PY 110</td>
<td>60%/40%</td>
<td>531-1</td>
<td>8/7-8</td>
<td>Reddish yellow shade, high durable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Yellow 129</td>
<td>PY 129</td>
<td>60%/40%</td>
<td>531-1</td>
<td>7-8/7-8</td>
<td>Greenish yellow, transparent</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Yellow 42</td>
<td>PY 42</td>
<td>60%/40%</td>
<td>531-1</td>
<td>8/7-8</td>
<td>Transparent &amp; durable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Green 36</td>
<td>PG 36</td>
<td>80%/20%</td>
<td>531-1</td>
<td>7-8/7-8</td>
<td>More yellowish green</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predisol® CAB Green 7</td>
<td>PG 7</td>
<td>60%/40%</td>
<td>531-1</td>
<td>8/7-8</td>
<td>Phthalocyanine green</td>
</tr>
</tbody>
</table>
Sun Chemical - Global Success in a World of Color

Sun Chemical Performance Pigments has been in the color business for over 100 years. Our leading-edge technology is unsurpassed as we continue our commitment to solve the color issues of today and develop new solutions for the future. Headquartered in Cincinnati, Ohio, Sun Chemical Performance Pigments is a division of Sun Chemical Corporation.

With annual revenues of more than $4 billion, Sun Chemical Corporation is the world’s largest producer of printing inks and pigments. We also are a leading provider of materials and services to cosmetics, packaging, publications, coatings, plastics and other industrial markets. Sun Chemical has a worldwide network of more than 300 locations that provide customers local service with a global perspective.

To learn more about our pigments, contact your local Sun Chemical representative.

Sun Chemical Performance Pigments
General Sales Office USA +1 800 543 2323
International Operations Belgium +32 1023 1500
Sun Chemical México and Latin America +52 55 5358 7247
Sun Chemical Brazil +55 (11) 2462 2500
www.sunchemical.com