Technical Data Sheet

Name: Carfil® 9121NP
Revision Date: 2018-7-25

Product Description
INCI Name: Acrylates copolymer

Carfil® 9121NP functions as a film former for personal care products such as eyeliner and mascara. Carfil 9121NP is easy to use, especially suitable for cold processes. The product also shows good compatibility with a broad range of cosmetic ingredients.

Preservative: 2-phenoxyethanol 1300-1500 ppm and 1,2-Octanediol 500-700 ppm. The effects of other substances and pH values on the inactivation of preservative should be noted.

Properties
1. Outstanding water resistance
2. Good film-formation
3. Easily removed

Characteristic data*

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Milky white emulsion</td>
<td>Visual</td>
<td>WHPU/T011-571-2017 (5cm 150°C, 20min)</td>
</tr>
<tr>
<td>Solids</td>
<td>44-46</td>
<td>wt%</td>
<td>GB/T 6920-1986</td>
</tr>
<tr>
<td>pH</td>
<td>7.0-9.0</td>
<td></td>
<td>GB/T2794-2013 (62/30/LV)</td>
</tr>
<tr>
<td>Viscosity(25°C)</td>
<td>≤1000</td>
<td>mPa·s</td>
<td></td>
</tr>
<tr>
<td>Tg</td>
<td>9.9</td>
<td>°C</td>
<td>GB/T 22567-2008</td>
</tr>
</tbody>
</table>

*These properties are typical but do not constitute specifications.

Storage
The product should be stored in dry condition between 5~35°C with the integrity of the packaging, and prevented from direct sunlight. The validity of this product is for 9 months, performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. It is suggested to filter before application and use up once the package is open.
Carfil® 9121NP

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