Product Description

Unicap® TCF2 is aqueous polyurethane micro-emulsion that forms nano-sized films on the surface of dyed fabrics and coats water-soluble groups of dye molecules to reduce dye release, which makes fabrics more brightly-colored and long lasting. At the same time, it has effective function of dye transfer inhibition. The product is environmentally friendly, and has good air permeability and outstanding compatibility with surfactants.

Properties

1. Outstanding color fixing effect
2. Significantly improve the glossiness of fabrics
3. Effective dye transfer inhibition
4. Endow fabrics with softness and fluffiness
5. Extensively compatible with liquid detergents

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>Translucent liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-volatile matter</td>
<td>34.0-36.0</td>
<td>%</td>
<td>WHPU/T011-571-2017 (5cm, 150°C, 20min)</td>
</tr>
<tr>
<td>pH</td>
<td>7.0-9.0</td>
<td></td>
<td>GB/T 6920-1986</td>
</tr>
<tr>
<td>Viscosity(25°C)</td>
<td>10-300</td>
<td>mPa·s</td>
<td>GB/T 2794-2013 (Brookfield LV,62#/30rpm)</td>
</tr>
</tbody>
</table>

*These properties are typical but do not constitute specifications.

Instructions for use

Unicap® TCF2 is a flowing liquid and recommended that it should be diluted in a certain proportion or dispersed in water conditions in the previous steps of formulation configuration. It is not recommended to add into a formulation in the end. The amount of the addition is variable, probably 0.5-2.0% by weight of the formulation in its supplied form. The exact amount required in each formulation should be determined by pre-trials.
Unicap® TCF2

Storage

The product should be stored in dry conditions above 5°C and below 35°C with the integrity of the packaging, and prevent direct sunlight. The validity of this product is for 12 months, performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. After opening the packing, suggested to use up one time.

Disclaimer: Wanhua Chemical Group Co., LTD. recommends that any customers of this material should check with Materials Safety Data Sheet (MSDS) for details about safely handling this material. We also suggest that you contact the suppliers of any other materials used in our recommended formulations and suggestions for appropriate health and safety regulations prior to use. The information contained herein is believed to be reliable. However, nothing in this technical sheet should be considered as a representation of warranty, express or implicit, regarding the product characteristics, application, quality, safety, merchantability or fitness for a particular purpose. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.