RAINOFF® A-1800

Modified resin base, durable water repellent and extender for fluorocarbon water repellent emulsions.

PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Smooth off white emulsion.</td>
</tr>
<tr>
<td>pH (5% solution)</td>
<td>6.5</td>
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<tr>
<td>Density</td>
<td>8.5 lbs./gallon</td>
</tr>
<tr>
<td>Stability</td>
<td>Minimum 6 months</td>
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<tr>
<td>% Active</td>
<td>25%</td>
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<tr>
<td>Solubility</td>
<td>Readily in water at room temperature.</td>
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GENERAL COMMENTS

RAINOFF® A-1800 is a resin based durable water repellent emulsion especially designed for use as an extender in the fluoro-chemical oil and water resistant finish. Extensive testing has proven this product to be an outstanding excellent extender for the following.

RAINOFF® A-1800 delivers excellent water repellent and stain resistant characteristics when used with typical Fluorochemical products.

RAINOFF® A-1800 is slightly cationic and is therefore compatible with typical fabric finishes.

RAINOFF® A-1800 exhibits good pad bath and processing stability in the presence of thermosetting resins and catalyst.

RAINOFF® A-1800 can give considerable savings by reducing the time for preparing the pad baths; eliminating steam and heat as required for other extenders, and shows improved performance and efficiency for less extender cost.

RAINOFF® A-1800 is also useful as a durable water repellent finish for application alone or with thermosetting resins an cottons, rayons, nylons and an appropriate metal salts catalyst.

Application Information on Next Page

Information contained in this technical data sheet is up-to-date and correct to the best of Organic Dyes & Pigments' knowledge at the date of issue and are subject to change. As Organic Dyes & Pigments LLC cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. Organic Dyes & Pigments will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given.

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APPLICATIONS

- To insure optimum wash fastness and dry cleaning fastness, the fabric should be thoroughly cleaned and rinsed to permit full absorbency of applied finish solutions.
- In application where the fabric is to be “napped” the use of RAINOFF® A-1800, without catalyst or curing, gives a most desirable hand and offers some lubricity to the napping operation.

Under normal padding conditions with a minimum of 75% wet pick-up, we suggest the following formulation for the use a water repellent of as an extender in fluoro-chemical applications:

**A. Oil and water stain repellent non-resinous formulation:**

- 10% RAINOFF® A-1800
- 2 - 4% Fluorochemical Water/Oil
- Mix well, apply by pad, foam or spray, dry cure at 270-330°F.

**STABILITY**

RAINOFF® A-1800 is considered stable for 6-9 months storage under normal conditions. Protection from freezing is necessary as successive freezing and thawing will cause the emulsion to deteriorate.
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