FLUID FABRIC SOFTENER WITH 17% ACTIVE BASED ON STEPANQUAT® GA 90

Name: No. 1026

Description: This fabric softener is for use in the rinse cycle of the wash load. It provides excellent softening and static control while maintaining the rewet properties of the fabric.

Formulation:

<table>
<thead>
<tr>
<th>INGREDIENTS:</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tap Water</td>
<td>80</td>
</tr>
<tr>
<td>STEPANQUAT® GA 90</td>
<td>18.9</td>
</tr>
<tr>
<td>Calcium Chloride (25% aqueous)</td>
<td>0.4</td>
</tr>
<tr>
<td>Fragrance</td>
<td>0.7</td>
</tr>
<tr>
<td>Dye</td>
<td>q.s.</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100.0</strong></td>
</tr>
</tbody>
</table>

Procedure: Load Tap Water (50°C) and Dye into the reactor. While stirring, add STEPANQUAT® GA 90 at 50°C (previously melted and mixed until homogeneous). Stir until the blend (Tap Water, Dye, and STEPANQUAT® GA 90) is homogeneous and has a white, shiny, and smooth appearance. Cool to 35°C while maintaining agitation. Add the Calcium Chloride solution. The blend becomes fluid quickly. Continue cooling to 30°C. Add Fragrance. Product is ready to be packaged.

Physical Properties:
- Appearance at 25°C: Opaque liquid
- pH, as is: 2.8 - 3.0
- Storage/Stability:
  - 1 month at 50°C: stable
  - 2 months at 40°C: stable

Instructions for Use:
- Add 26.5 mL to the final rinse.

External Comment:
- The viscosity is about 60mPa.s (viscometer Contraves TV2) and 120 mPa.s (Brookfield RVT M4/V100). The viscosity can be affected by the type and level of fragrance. Formulation is impacted by water hardness.

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For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe).

For ordering assistance, call our Account Service Department at 1-800-457-7673.

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