**Name**

FLUID FABRIC SOFTENER WITH 20% ACTIVE BASED ON STEPANTEX® VK-90

**No.**

1032

**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**

**INGREDIENTS:**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tap Water</td>
<td>76.25</td>
</tr>
<tr>
<td>STEPANTEX® VK-90</td>
<td>22.2</td>
</tr>
<tr>
<td>Calcium Chloride (25% aqueous)</td>
<td>0.55</td>
</tr>
<tr>
<td>Fragrance</td>
<td>1</td>
</tr>
<tr>
<td>Dye</td>
<td>q.s.</td>
</tr>
</tbody>
</table>

Total 100.0

**Procedure**

Load Tap Water and heat to 50°C. Add Dye into the reactor. While stirring, add STEPANTEX® VK-90 at 50°C (previously melted and mixed until homogeneous). Stir until the blend (Tap Water, Dye, and STEPANTEX® VK-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 instantly. 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 22.5 mL to the final rinse.

**External Comment**

The viscosity is about 40 mPa.s (viscometer Contraves TV2) and 50 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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STEPANTEX®

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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