### Formulation

**SPRAYABLE W/O HAIR SHINE WITH ORGANIC SUNSCREENS, ESTIMATED SPF 15 (COLD MIXING)**

**No.** 816

**Description** This lotion is easy to spray and evenly distributed on the skin to provide great, light after-feel.

**Formulation**

**INGREDIENTS:**

--- **Phase 1** ---
- Deionized Water
- STEPANQUAT® ML
- PEG-12 Laurate (HALLSTAR® PEG 600 ML)

--- **Phase 2** ---
- Dow Corning 345 Fluid (Dow Corning) Cyclomethicone
- Ethylhexyl Isononanoate (HALLSTAR® OCTYL ISONONANOATE)
- Escalol 557 (ISP) Ethylhexyl Methoxycinnamate
- Escalol 587 (ISP) Ethylhexyl Salicylate
- Abil EM-90 (Goldschmidt) Cetyl Dimethicone Copolyol

--- **Phase 3** ---
- Preservative, Dye, fragrance

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<thead>
<tr>
<th>% by Weight</th>
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<tbody>
<tr>
<td>q.s. to 100</td>
</tr>
<tr>
<td>2.5</td>
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<tr>
<td>0.5</td>
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<tr>
<td>20.0</td>
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<tr>
<td>2.0</td>
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<tr>
<td>7.5</td>
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<tr>
<td>5.0</td>
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<td>1.5</td>
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<td>q.s.</td>
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**Total 100.0**

**Procedure** Prepare Phase 1. Prepare Phase 2. Add Phase 1 into Phase 2. Mix for 20-25 minutes. Add phase 3. Homogenize for 3-5 minutes at 5000 rpm.

**Physical Properties**
- **Appearance at 25°C**
  - Opaque thin liquid
- **SPF (estimated)**
  - 15
- **pH at 25°C**
  - 4.0 - 5.0
- **Viscosity at 25°C, cps**
  - 25

**Storage/Stability**
- 6 months at 25°C
  - Stable
- 3 months at 50°C
  - Stable

**Instructions for Use** Spray on skin and rub in as normal lotion.

**Trademarks**

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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