GREEN TEA CLEANSING AND TONING WIPES SOLUTION

Description
This wipes solution gently cleanses and tones skin with naturally-derived* cleansers ALPHA-STEP® PC-48 and AMPHOSOL® 2CSF-AF, and antioxidant-rich green tea extract. Simply apply over the face and neck with a soft cloth. Suitable for wipes packages. *The Stepan surfactants used in this formulation are greater than 50% BCI.

Formulation

**INGREDIENTS:**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized Water</td>
<td>q.s. to 100.0</td>
<td>Carrier</td>
</tr>
<tr>
<td>Glycerin</td>
<td>3.0</td>
<td>Humectant</td>
</tr>
<tr>
<td>Green Tea Leaf in Glycerin - 3345GL (Bio-Botanica, Inc.)</td>
<td>0.1</td>
<td>Additive</td>
</tr>
<tr>
<td>ALPHA-STEP® PC-48</td>
<td>6.0</td>
<td>Primary Surfactant</td>
</tr>
<tr>
<td>AMPHOSOL® 2CSF-AF</td>
<td>5.0</td>
<td>Secondary Surfactant, Chelating Agent</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>q.s.</td>
<td>pH Adjuster</td>
</tr>
<tr>
<td>Fragrance</td>
<td>q.s.</td>
<td>Fragrance</td>
</tr>
<tr>
<td>Preservative</td>
<td>q.s.</td>
<td>Preservative</td>
</tr>
</tbody>
</table>

Total 100.0

Procedure
1. In an appropriate vessel, charge Deionized Water, Glycerin, Green Tea Leaf, ALPHA-STEP® PC-48, and AMPHOSOL® 2CSF-AF. Mix until homogenous and clear.
2. Adjust the pH with Citric Acid, and add Fragrance and Preservative.

Physical Properties
- **Appearance at 25 ºC**
  - Clear, water thin liquid
- **pH, as is**
  - 5.5 - 6.5
- **Storage/Stability**
  - 4 weeks at 5 ºC
  - Stable
  - 4 weeks at 25 ºC
  - Stable
  - 4 weeks at 45 ºC
  - Stable
  - Freeze/Thaw, 3 cycles
  - Pass

Instructions for Use
Pre-wash skin with water. Soak towelettes in wash. Rub the skin with the towelette, and work in to skin to create a rich lather. Rinse off with water and repeat as desired.

Marketing Notes: Naturally-derived is defined as surfactants sourced from plant, animal or marine feedstocks. BCI = 79. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. Other ingredients were not evaluated. For further information on Stepan’s BCI, visit www.stepan.com.

External Comment
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- AMPHOSOL®

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