STRUCUTRED LIQUIDS TECHNOLOGY - WATER-BASED MOISTURIZING SUGAR SCRUB

**Name**: STRUCTURED LIQUIDS TECHNOLOGY - WATER-BASED MOISTURIZING SUGAR SCRUB  
**No.**: 1244  
**Description**: A natural body scrub containing naturally-derived ingredients. This formulation uses STEPN-MILD GCC and Shea Butter to soften the skin, while the presence of Sugar aids in exfoliating the skin.

**Formulation INGREDIENTS**:  
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>% by Weight</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEPN-MILD® GCC</td>
<td>5.5</td>
<td>Structure Agent, Surfactant</td>
</tr>
<tr>
<td>Shea Butter</td>
<td>0.4</td>
<td>Moisturizing Agent</td>
</tr>
<tr>
<td>Soybean Oil</td>
<td>4.5</td>
<td>Moisturizing Agent</td>
</tr>
<tr>
<td>Fragrance #4200 (Chemia)</td>
<td>0.4</td>
<td>Fragrance</td>
</tr>
<tr>
<td>STEPNOL® AM-CIT/MIT</td>
<td>7.5</td>
<td>Surfactant</td>
</tr>
<tr>
<td>Sugar</td>
<td>q.s. to 100.0</td>
<td>Exfoliating Additive</td>
</tr>
<tr>
<td>Deionized Water</td>
<td></td>
<td>Diluent</td>
</tr>
</tbody>
</table>

**Total**: 100.0

**Procedure**:  
1. In a suitable vessel equipped with heating and agitation capabilities, charge STEPN-MILD® GCC and Shea Butter, melting it gently and mixing to dissolve. A Jiffy mixer is recommended.  
2. Charge Soybean Oil and Fragrance with gently agitation, using a Jiffy mixer to homogenize.  
3. Charge STEPNOL® AM-CIT/MIT and mix gently with a Jiffy mixer until a homogeneous, thin lamellar phase is obtained.  
4. Add Sugar then apply mechanical stirring using an A-shaped blade paddle until the mixture thickens into a smooth paste.  
5. Add Deionized Water with continued mixing using an A-shaped blade paddle. Use of warm water will accelerate the process.

**Physical Properties**  
- **Appearance at 25ºC**: Flowable suspension  
- **Storage/Stability**:  
  - 4 weeks at 5ºC: Stable  
  - 4 weeks at 25ºC: Stable  
  - 4 weeks at 45ºC: Stable  
  - Freeze/Thaw 3 cycles: Pass

**Instructions for Use**: Apply desired amount of sugar scrub to wet skin from shoulders to ankles. Massage in a circular motion. Rinse with water.

**External Comment**: Marketing Notes: Structured Liquids are a patented technology, used for suspension of particles and is free from the use of polymers. Naturally-derived is defined as derived from biorenewable resource originating from animal, plant or marine feedstock. This luxurious sugar scrub utilizes natural oil along with Shea Butter to help gently exfoliate, moisturize, and leave the skin feeling silky smooth, enhancing every manicure and pedicure service while also being versatile as a full-body scrub. BCI = 98. 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.

STEPAN-MILD®
STEPANOL®

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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