**Distinctive® Squalane Butter 45**

INCI: Squalane (and) Caprylic/Capric Triglyceride (and) Behenyl Behenate (and) Tribehenin

May 5, 2012 rev

**DC3821**

### Unique, Natural Cosmetic Butter for Skin and Hair

**Squalane** is a highly emollient and conditioning substance providing relief from dry, irritated skin and scalp. Studies have shown that squalane helps boost cellular renewal and protects the skin by replenishing essential lipids to help revitalize the skin, and combat environmental aggressors and moisture loss. With a molecular structure most resembling sebum, squalane is readily absorbed by the skin, restoring skin softness and elasticity for a healthier, more youthful complexion.

**Distinctive® Squalane Butter 45** is a soft butter derived from 100% renewable, plant-based emollients. This colorless, odorless material melts at skin temperature to provide a soft, luxurious skin feel. It is an excellent alternative to lanolin, offering improved aesthetics and superior product stability. Use of Distinctive Squalane Butter 45 in the oil phase helps protect skin against trans-epidermal water loss and environmental aggressors. It contains 45% stabilized plant squalane to mimic skin’s natural lipid chemistry, offering superb bio-functionality, ideal for numerous personal care applications.

### BENEFITS
- Emollient
- Restructuring
- Barrier protection/ Reduces TEWL
- Conditioning
- Moisturizing
- Luxurious skin feel
- Enhanced gelling properties
- Highly skin compliant
- Excellent substitute for lanolin
- Soothing

### APPLICATIONS
- Moisturizers
- Cleansers
- Hair and scalp treatments
- Sun care
- Sensitive skin
- Anti-aging
- Color cosmetics
- Baby products

### TYPICAL PROPERTIES
- **Appearance**: Waxy solid
- **Color**: White to off-white
- **Odor**: Characteristic

### FORMULATION GUIDELINES
- **Recommended use level**: 1-8%
## MOISTURE INTENSE SERUM
Formula RON 15-96-1

<table>
<thead>
<tr>
<th>PHASE</th>
<th>INGREDIENT</th>
<th>% BY WEIGHT</th>
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<tbody>
<tr>
<td>A</td>
<td>Water</td>
<td>QS</td>
</tr>
<tr>
<td>A</td>
<td>Propanediol</td>
<td>3.00</td>
</tr>
<tr>
<td>A</td>
<td>Xanthan Gum</td>
<td>0.30</td>
</tr>
<tr>
<td>A</td>
<td>Glycerin</td>
<td>10.00</td>
</tr>
<tr>
<td>A</td>
<td>Distinctive® Emul-Lipid LB</td>
<td>4.00</td>
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<tr>
<td>B</td>
<td>Dimethicone</td>
<td>1.00</td>
</tr>
<tr>
<td>B</td>
<td>Cetyl Alcohol</td>
<td>0.50</td>
</tr>
<tr>
<td>B</td>
<td>Isododecane</td>
<td>4.00</td>
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<tr>
<td>B</td>
<td>Distinctive® Squalane Butter 45</td>
<td>5.00</td>
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<tr>
<td>B</td>
<td>Butyrospermum Parkii (Shea) Butter</td>
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</tr>
<tr>
<td>B</td>
<td>C12-15 Alkyl Benzoate</td>
<td>2.00</td>
</tr>
<tr>
<td>C</td>
<td>Preservative</td>
<td>QS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100.00</td>
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</tbody>
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To the main vessel, add water and begin mixing with a propeller mixer. Premix Propanediol and Xanthan Gum and add to batch. Begin heating to 75-80°C. While heating, add Glycerin. At 75-80°C, add Distinctive® Emul-Lipid LB. Mix at 75-80°C for 20 minutes or until Distinctive® Emul-Lipid LB is fully hydrated.

In a side container, combine Phase B ingredients and heat to 75-80°C. Add Phase B to Phase A, mix 15 minutes, until uniform. Begin cooling batch.

At 40°C, add Phase C ingredients. Cool to room temperature.

### REFERENCES


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