

# Distinctive<sup>®</sup> Emul-Lipid ST

INCI: Glycine Soja (Soybean) Sterols (and) Glyceryl Cocoate

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## Bio-Active Emulsifier

**C**holesterol is one of three major lipid classes found in the skin. This high molecular weight sterol is vital for skin health and strength as it plays an important role in maintaining cell membrane structure and elasticity. Over time, production of naturally occurring skin lipids diminishes, leaving skin more prone to drying, wrinkling and irritation.

Phytosterols, or plant sterols, are fat-like compounds found in plant oils. In personal care, these naturally-occurring substances mimic the effects of cholesterol to condition and repair damaged skin and hair. Studies show that phytosterols are effective in preventing the formation of wrinkles. By inhibiting matrix metalloproteinases (MMPs), phytosterols protect and encourage new collagen production while normalizing turnover of skin cells. They provide anti-oxidant protection and help restore the skin barrier properties to prevent against drying, photo-ageing and damage from other environmental aggressors.



**D**istinctive<sup>®</sup> Emul-Lipid ST is a unique "bio-mimetic" moisturizer, rich in phytosterols and humectants. This ingredient is useful as an emulsifier, creating creams and lotions with excellent skin compliance and delivery properties. With its outstanding mildness, superb conditioning properties, smooth texture and enhanced lubricity, Distinctive<sup>®</sup> Emul-Lipid ST is ideal for numerous skin and hair care applications.

### BENEFITS

- ◆ Hydrating/Moisturizing
- ◆ Anti-aging
- ◆ MMP Inhibition
- ◆ Anti-inflammation
- ◆ Protective
- ◆ Highly skin compliant
- ◆ Anti-oxidant
- ◆ 100% Plant Origin

### APPLICATIONS

- ◆ Creams & Lotions
- ◆ Cleansers
- ◆ Hair care
- ◆ Sensitive skin
- ◆ Anti-aging
- ◆ Color cosmetics

### TYPICAL PROPERTIES

Appearance	Soft Wax
Color	Orange - Yellow
Odor	Characteristic

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## DISTINCTIVE<sup>®</sup> EMUL-LIPID BA SERUM: Formula: RON19-44

PHASE	INGREDIENT	% BY WEIGHT	PROCEDURES	
A	Water	Q.S.	♦ To the main vessel, add water and begin mixing with a propeller mixer.	
A	Cetyl Hydroxyethylcellulose	0.15		
A	Glycerin	3.00		♦ Add Cetyl Hydroxyethylcellulose and heat to 70°C-75°C.
A	Xanthan Gum	0.20		♦ Premix Glycerin, Butylene Glycol and Xanthan Gum and add to batch.
A	Butylene Glycol	3.00		♦ In a side container, combine Phase B ingredients and heat to 75-80°C.
B	<b>Distinctive<sup>®</sup> Emul-Lipid BA (RON)</b>	4.00	♦ Add Phase B to Phase A, mix 15 minutes, until uniform. ♦ Begin cooling batch. At 40°C, add Phase C. ♦ Mix until uniform. ♦ Cool to Room Temperature.	
B	Cetyl Alcohol	2.00		
B	Dimethicone	2.00		
B	Butyrospermum Parkii (Shea) Butter	3.00		
B	Caprylic/Capric Triglyceride	3.00		
B	<b>Vegelight 1214LC (RON)</b>	5.00		
B	Dicaprylyl Ether	5.00		
B	<b>Distinctive<sup>®</sup> Emul-Lipid ST (RON)</b>	1.00	Viscosity: 3600 cps	
C	Diocide	<u>1.00</u> 100.00		

## HYDRATING MILK Formula: RON23-5-1

PHASE	INGREDIENT	% BY WEIGHT	PROCEDURES
A	Water	Q.S.	♦ To the main vessel, add water and begin mixing with a propeller mixer. Heat to 75°C.
A	Natrosol™ PLUS 330 CS	0.15	
B	Glycerin	1.00	♦ Add Cetyl Hydroxyethylcellulose. Mix until uniform. ♦ Premix Phase B ingredients and add to batch at 75°C. Mix until uniform. ♦ Premix Phase C ingredients, add to batch, and mix until uniform.
B	Keltrol <sup>®</sup> CG-T	0.10	
B	Kelcogel <sup>®</sup> CG-HA	0.05	
C	Butylene Glycol	5.00	♦ Add Phase D ingredients separately and mix until uniform. Maintain temperature at 75°C.
C	Lexgard Natural	1.20	
D	Sodium Benzoate	0.20	♦ In a side container, combine Phase E ingredients and heat to 75°C.
D	Citric Acid 25% solution	0.15	
E	<b>Distinctive<sup>®</sup> Emul-Lipid BA (RON)</b>	6.00	♦ Add Phase E to main vessel and mix for 5 minutes. ♦ Homogenize batch for 5 minutes. ♦ Switch to propeller mixer and begin cooling batch. ♦ Cool to 30°C.
E	Lilac™	8.00	
E	Cetiol <sup>®</sup> OE	8.00	
E	Neossance™ Squalane	5.00	
E	<b>Distinctive<sup>®</sup> Emul-Lipid ST (RON)</b>	<u>0.70</u>	
		100.00	Viscosity: 1680 cps pH: 5.82

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## BOUNCY BLUSH Formula: RON24-71-1

PHASE	INGREDIENT	% BY WEIGHT	PROCEDURES
A	Water	Q.S.	<ul style="list-style-type: none"> <li>◆ To the main vessel, add Water, Lecinol S-10, and Glycerin. Begin mixing with a propeller mixer and heat to 60°C. Mix until uniform.</li> <li>◆ Add remainder of Phase A. Mix until uniform.</li> <li>◆ Switch to the Silverson for high speed mixing. Use the square screen at 4500 rpm. Check dispersion on slides to confirm it is uniform.</li> <li>◆ Switch back to propeller mixer. Heat to 73-75°C.</li> <li>◆ Add Phase B Ingredients one at a time. Mix until uniform. Maintain temperature at 73-75°C.</li> <li>◆ In a side container, combine Phase C ingredients and heat to 75°C.</li> <li>◆ Add Phase C ingredients to main vessel and mix for 5 minutes, until uniform.</li> <li>◆ Premix Phase D. Add Phase D on Silverson for high speed mixing. Mix on Silverson for 8-10 minutes. Use square screen at 6500 rpm.</li> <li>◆ Switch back to propeller mixer. Begin cooling batch.</li> <li>◆ At 60°C, add Phase E. Mix until uniform.</li> <li>◆ At 45°C, add Phase F. Mix until uniform.</li> <li>◆ Drop batch at 33-35°C.</li> </ul>
A	Lecinol S-10	0.10	
A	Glycerin	5.00	
A	<b>RON Ti-12 (RON)</b>	<b>7.80</b>	
A	Yellow Iron Oxide	0.34	
A	Red Iron Oxide	1.04	
A	Black Iron Oxide	0.14	
B	Disodium EDTA	0.05	
B	Sodium Hydroxide 20% Solution	0.45	
B	Carbopol Aqua SF-1 OS Polymer	3.00	
B	<b>Granpowder USQ (RON)</b>	<b>3.00</b>	
B	<b>Distinctive® Squalane Butter Mica P (RON)</b>	<b>2.00</b>	
C	<b>Distinctive® Emul-Lipid BA (RON)</b>	<b>3.50</b>	
C	<b>Distinctive® Emul-Lipid ST (RON)</b>	<b>1.00</b>	
C	Cetiol® OE	3.00	
C	<b>Distinctive® Squalane Butter 45 (RON)</b>	4.00	
C	Essachem™ O	3.00	
C	<b>Distinctive® Blueberry 5P (RON)</b>	<b>2.00</b>	
C	Cetyl Alcohol	2.00	
D	Dow Corning® 556 Cosmetic Grade Fluid	5.00	
D	<b>Gransil EPSQ (RON)</b>	<b>1.00</b>	
E	Lincoserve™ CG-5	1.00	
F	Syntran® 5190CG	<u>3.00</u>	
		100.00	

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## ANTIAGING FOUNDATION & CONCEALER Formula: RON24-75-1

PHASE	INGREDIENT	% BY WEIGHT	PROCEDURES
A	Water	Q.S	<ul style="list-style-type: none"> <li>◆ To the main vessel, add Water, Lecinol S-10, and Glycerin.</li> <li>◆ Begin mixing with a propeller mixer and heat to 60°C. Mix until uniform.</li> <li>◆ Add remainder of Phase A. Mix until uniform.</li> <li>◆ Switch to the Silverson for high speed mixing. Use the square screen at 4500 rpm.</li> <li>◆ Check dispersion on slides to confirm it is uniform.</li> <li>◆ Switch back to propeller mixer. Heat to 73-75°C.</li> <li>◆ Add Phase B Ingredients one at a time in the order listed. Mix until uniform. Maintain temperature at 73-75°C.</li> <li>◆ In a side container, combine Phase C ingredients and heat to 75°C.</li> <li>◆ Add Phase C ingredients to main vessel and mix for 5 minutes, until uniform.</li> <li>◆ Switch to Silverson for high speed mixing for 5 minutes. Use square screen at 5000 rpm.</li> <li>◆ Switch back to propeller mixer. Begin cooling batch.</li> <li>◆ At 60°C, add Phase D. Mix until uniform.</li> <li>◆ At 45°C, add Phase E. Mix until uniform.</li> <li>◆ Cool batch to 30C.</li> </ul>
A	Lecinol S-10	0.30	
A	Glycerin	5.00	
<b>A</b>	<b>RON Ti-12 (RON)</b>	<b>10.10</b>	
A	Yellow Iron Oxide	1.35	
A	Red Iron Oxide	0.43	
A	Black Iron Oxide	0.18	
B	Disodium EDTA	0.05	
B	Sodium Hydroxide 20% Solution	0.45	
B	Carbopol Aqua SF-1 OS Polymer	3.00	
<b>B</b>	<b>Granpowder USQ (RON)</b>	<b>3.00</b>	
<b>B</b>	<b>Distinctive® Squalane Butter Mica P (RON)</b>	<b>2.00</b>	
<b>C</b>	<b>Distinctive® Emul-Lipid BA (RON)</b>	<b>3.50</b>	
<b>C</b>	<b>Distinctive® Emul-Lipid ST (RON)</b>	<b>1.00</b>	
C	Dow Corning® 556 Cosmetic Grade Fluid	3.00	
<b>C</b>	<b>Distinctive® Squalane Butter 45 (RON)</b>	<b>5.00</b>	
C	Essachem™ O	3.00	
<b>C</b>	<b>Distinctive® Blueberry 5P (RON)</b>	<b>2.00</b>	
C	Cetyl Alcohol	2.00	
D	Lincoserve™ CG-5	1.00	
E	Syntran® 5190CG	<u>3.00</u>	
		100.00	

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## CC BOUNCY MAKEUP Formula: RON24-75-4

PHASE	INGREDIENT	% BY WEIGHT	PROCEDURES
A	Water	Q.S.	◆ To the main vessel, add Water, Lecinol S-10, and Glycerin.
A	Lecinol S-10	0.10	◆ Begin mixing with a propeller mixer and heat to 60°C. Mix until uniform.
A	Glycerin	5.00	
<b>A</b>	<b>RON Ti-12 (RON)</b>	<b>7.80</b>	◆ Add remainder of Phase A. Mix until uniform.
A	Yellow Iron Oxide	1.04	◆ Switch to the Silverson for high speed mixing. Use the square screen at 4500 rpm. Check dispersion on slides to confirm it is uniform.
A	Red Iron Oxide	0.34	
A	Black Iron Oxide	0.14	
B	Disodium EDTA	0.05	◆ Switch back to propeller mixer. Heat to 73-75°C.
B	Sodium Hydroxide 20% Solution	0.50	◆ Add Phase B Ingredients one at a time in the order listed. Mix until uniform. Maintain temperature at 73-75°C.
B	Carbopol Aqua SF-1 OS Polymer	3.00	◆ In a side container, combine Phase C ingredients and heat to 75-77°C.
<b>B</b>	<b>Granpowder USQ (RON)</b>	<b>3.00</b>	
<b>B</b>	<b>Distinctive<sup>®</sup> Squalane Butter Mica P (RON)</b>	<b>4.00</b>	◆ Add Phase C ingredients to main vessel and mix for 5 minutes, until uniform.
<b>C</b>	<b>Distinctive<sup>®</sup> Emul-Lipid BA (RON)</b>	<b>3.50</b>	
<b>C</b>	<b>Distinctive<sup>®</sup> Emul-Lipid ST (RON)</b>	<b>1.00</b>	◆ Switch to Silverson for high speed mixing for 5 minutes. Use square screen at 5000 rpm.
C	Dow Corning <sup>®</sup> 556 Cosmetic Grade Fluid	3.00	
<b>C</b>	<b>Distinctive<sup>®</sup> Squalane Butter 45 (RON)</b>	<b>4.00</b>	◆ Switch back to propeller mixer. Begin cooling batch.
C	Essachem <sup>™</sup> O	3.00	◆ At 60°C, add Phase D. Mix until uniform.
<b>C</b>	<b>Distinctive<sup>®</sup> Blueberry 5P (RON)</b>	<b>2.00</b>	◆ At 45°C, add Phase E ingredients separately. Mix until uniform.
C	Cetyl Alcohol	2.00	
D	Lincoserve <sup>™</sup> CG-5	1.00	◆ Cool batch to 30°C.
<b>E</b>	<b>Hydro-Matrix Rice PGA (RON)</b>	<b>2.00</b>	
E	Syntran <sup>®</sup> 5190CG	<u>3.00</u>	
		100.00	

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