



## SMOOTHING HAND AND FOOT CREAM

Endilan™ E-51 provides exceptional conditioning and moisture binding properties in this rich cream, while the bio-based polymer Glossamer™ L6600 delivers water-resistance, further enhancing conditioning. Endimoist® HA Solution and Endicare® ETP-380 produce a deep non-greasy hydrating formula for immediate and long-lasting results. The blend of oils and skin nourishing minerals intensifies the moisturization and anti-oxidant benefits. One coat of this rich, thick emollient can keep hands and feet soft, smooth, and supple despite the driest winter weather.

### PHASE A

Deionized Water	62.40%
<b>SORBO® 70% Sorbitol Solution</b> <sup>1,2</sup> (Sorbitol)	3.00%
<b>Endilan™ E-51</b> <sup>1</sup> (PEG-75 Lanolin)	1.00%

### PHASE B

<b>Vitamin E Acetate</b> <sup>1</sup> (Tocopheryl Acetate)	1.00%
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### PHASE C

<b>Avocado Oil</b> <sup>1</sup> (Persea Gratissima (Avocado) Oil)	4.00%
<b>Jjoba Oil</b> <sup>1,3</sup> (Simmondsia Chinensis (Jojoba) Seed Oil)	4.00%
<b>Coconut Oil</b> <sup>1</sup> (Cocos Nucifera (Coconut) Oil)	6.00%
<b>Olivatis™ 13</b> <sup>1,4</sup> (Polyglyceryl-3 Cetearyl Ether Oliviate)	3.00%
Stearic Acid <sup>1</sup> (Stearic Acid)	4.00%

### PHASE D

Cetyl Alcohol <sup>1</sup> (Cetyl Alcohol)	3.00%
<b>Glossamer™ L6600</b> <sup>1</sup> (Brassica Campestris/Aleurites Fordi Oil Copolymer)	3.00%

### PHASE E

<b>Endimoist® HA Solution</b> <sup>1</sup> (Sodium Hyaluronate)	3.00%
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### PHASE F

<b>Endicare® ETP-380</b> <sup>1</sup> (Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) Isohexadecane (and) Polysorbate 80)	1.80%
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### PHASE G

<b>Sharomix 706</b> <sup>1,5</sup> (Dehydroacetic Acid (and) Benzoic Acid (and) Benzyl Alcohol)	0.80%
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## Suppliers

<sup>1</sup>Coast Southwest, Inc., <sup>2</sup>Ingredion, Inc., <sup>3</sup>Jojoba Desert (A.C.S.) Ltd., <sup>4</sup>Medolla Italia Ltd., <sup>5</sup>Sharon-Laboratories Ltd.

## Properties

**pH:** 4-4.5

**Viscosity:** spindle 5 at 2.5 rpm = 80,000-100,000 cst.

## Procedure

**Phase A** – Combine Phase A in main vessel and begin propeller mixing at 200-400 rpm. The solution should become transparent, **Phase B** – Add Phase B to Phase A with continuous mixing. Heat main vessel to 70°C -75°C. **Phase C** – In a separate vessel, combine Phase C ingredients under propeller mixing and begin heating to 70°C-75°C until fully uniform . **Phase D** – Add Phase D in formula order to Phase C until homogenous, then slowly add Phase CD to Phase AB, increasing the shear mixing speed if necessary and maintaining temperature as best as possible. Discontinue heating and allow the mixture to cool to room temperature under agitation. **Phase E** – Once at room temperature and mixture is uniform, add Phase E to the Phase ABCD with propeller mixing. **Phase F** – Add Phase F to Phase ABCDE and homogenize at 3,000 rpm for 30 seconds-1 minute. The mixture will thicken and become continuous. **Phase G** – Discontinue homogenizing and add Phase G to Phase ABCDEF in the main vessel under propeller mixing. Once uniform, transfer to holding vessel.