



## HAND AND CUTICLE BALM

This ultra-rich, rapid absorbing balm provides long-last hydration and care for dry hands, nails, and cuticles. Bio-based **Ultrapure TEWL L** is a natural petrolatum substitute. It supplements **CrystalPet® HW**, an odorless, non-sticky refined petrolatum with moisturizing and skin protection properties. **EndiMoist® HA Solution** imparts softness and a supple feel. Vegetable-derived **Olivatis™ 15** esters impart an extremely light, non-tacky, silky feel while improving stability and formula efficiency.

### PHASE A

<b>Puretol™ 7 Special</b> <sup>1,2</sup> (Mineral Oil)	36.00%
<b>Ultrapure TEWL L</b> <sup>1,3</sup> (Ricinus Communis (Castor) Seed Oil (and) Lauric Acid (and) Hydrogenated Castor Oil (and) Beeswax (and) Calcium Stearate (and) Rosmarinus Officinalis (Rosemary) Leaf Extract)	5.00%
<b>CrystalPet® HW</b> <sup>1,4</sup> (Petrolatum)	15.00%
Lanolin Alcohol <sup>1</sup> (Lanolin Alcohol)	5.00%
Paraffin Wax <sup>1</sup> (Paraffin)	7.00%
Microcrystalline Wax (Microcrystalline Wax)	10.00%

### PHASE B

Glycerin <sup>1</sup> (Glycerin)	4.00%
<b>EndiMoist® HA Solution</b> <sup>1</sup> (Sodium Hyaluronate)	10.00%
<b>DL-Panthenol 50%</b> <sup>1</sup> (Panthenol)	1.00%
<b>Olivatis™ 15</b> <sup>1,5</sup> (Olive Oil Glycereth-8 Esters)	6.00%
Fragrance Oil (Fragrance)	1.00%

## Suppliers

<sup>1</sup>Coast Southwest Inc., <sup>2</sup>Petro-Canada Lubricants, <sup>3</sup>Ultra Chemical, Inc., <sup>4</sup>PMC Crystal, Inc. <sup>5</sup>Medolla Limited

## Properties

**pH:** n/a

**Viscosity:** spindle 6 at 20 rpm = 49,400 cst (48,000-50,000 cst)

## Procedure

**Phase A** – In main vessel, combine Phase A ingredients and begin heating to 60°C under propeller mixing. Continue mixing Phase A until a uniform solution at temperature forms, then discontinue heat. Allow the mixture to cool to 50°C with continuous mixing. **Phase B** – In a separate vessel, add Phase B ingredients with continuous mixing until uniform. Add Phase B slowly to Phase A until a uniform mixture forms. Continue mixing Phase AB and allow to cool to 35-40°C. Note: The mixture will become thicker and begin to harden slightly. Continue cooling to 35°C and transfer to holding vessel.

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