

## Natural Moisturizing Lotion

### ARL-21-89-1

<b>PHASE A</b>	<b>% W/W</b>
Water	72.00
RITA Glycerin USP Kosher <sup>2</sup> (Glycerin)	1.00
Gelcarin PC 379 <sup>3</sup> (Carrageenan)	0.30
Solagum AX <sup>4</sup> (Acacia Senegal Gum (and) Xanthan Gum)	1.50
Carruba-Chamomile Extract <sup>5</sup> (Anthemis Nobilis Flower Extract)	1.00
<b>PHASE B</b>	
Montanov 68 MB <sup>4</sup> (Cetearyl Alcohol (and) Cetearyl Glucoside)	1.50
Cerasynt SD <sup>6</sup> (Glyceryl Stearate)	2.50
Lanette 16 <sup>7</sup> (Cetyl Alcohol)	1.00
<b>Pelemol EE (Octyldodecyl Erucate)<sup>1</sup></b>	5.00
<b>Pelemol OL<sup>1</sup> (Oleyl Lactate)</b>	4.00
<b>Pelemol P-810<sup>1</sup> (Propanediol Dicaprylate/Caprate)</b>	3.00
<b>Pelemol DO<sup>1</sup> (Decyl Oleate)</b>	3.00
<b>Pelemol MOR-3<sup>1</sup> (Dilinoleic Acid/Propanediol Copolymer (and) Propanediol Dicaprylate/Caprate)</b>	3.00
Vitamin E Acetate <sup>7</sup> (Tocopheryl Acetate)	0.20
<b>PHASE C</b>	
Preservative	<u>Q.S.</u>
	100.00
<b>1. PHOENIX CHEMICAL, Inc.</b>	
2. RITA Corporation	
3. Givaudan	
4. Seppic	
5. Carrubba	
6. Ashland	
7. BASF Care Creations	

### **Procedure:**

Phase A: Combine water and glycerin and heat to 70-75°C. Slowly add gums, sequentially, with moderate agitation.

Phase B: Combine all ingredients and heat phase to 70-75°C. Add Phase B to Phase A with vigorous mixing at 70-75°C until emulsion is formed. Continue mixing while cooling to 35°C.

Phase C: Add Phase C and mix well until homogenous. Homogenize emulsion for 5 minutes with moderate agitation.

<b>INGREDIENT</b>	<b>FUNCTION</b>
<b>Pelemol EE</b>	100% vegetable derived dry ester, very emollient; can be used in skin creams, lotions, and makeup products
<b>Pelemol OL</b>	Extremely emollient; humectant, moisturizer and hair conditioner
<b>Pelemol P-810</b>	100% active, easily-pourable, clear, water-white virtually odorless liquid; suggested as a 100% vegetable derived replacement for synthetically derived dry esters.
<b>Pelemol DO</b>	100% active, slightly yellow liquid emollient easily spreadable on skin, imparts cushion and a light, almost waxy residue; reduces tack, useful to incorporate heavy oils into formulations
<b>Pelemol MOR-3</b>	All vegetable derived ester blend that mimics the solubility, viscosity and sensory properties of mineral oil; REACH compliant