

## PRODUCT FORMULARIES

### HEALTHY HANDS LOTION

This thick, rich lotion spreads easily on the skin. It contains a high level of petrolatum for extra moisturization.

	Ingredient	Weight (%)
A	<b>Snow Petrolatum</b>	<b>70.0</b>
	Glycol Stearate SE	5.0
	Isopropyl Palmitate	3.1
	Cetyl Alcohol	2.0
	Polysorbate 20	1.0
	Tocopheryl Acetate	0.1
	Propylparaben	0.1
B	Deionized Water	17.5
	Methylparaben	0.2
C	Aloe Barbadensis Leaf Juice	0.7
	Diazolidinyl Urea	0.3
	Fragrance	q.s.
	<b>Total</b>	<b>100%</b>

**Procedure:** Heat part A to 75-80 °C with stirring until uniform. Heat part B to 75-80 °C with stirring. Add part B to part A with stirring. Allow the mixture to cool with stirring. Below 50 °C, add the part C ingredients sequentially. Continue stirring to 30 °C and package.

### DEEP RED LIPSTICK

This lipstick applies easily and gives the lips a soft feel. Mineral oil and petrolatum help add moisturization.

	Ingredient	Weight (%)
A	Ricinus Communis (Castor) Seed Oil	41.9
	Red 40 Lake	5.7
	Red 27 Lake	2.4
	Mica (and) Titanium Dioxide	1.9
	Titanium Dioxide	.95
B	Caprylic/Capric Triglyceride	11.75
	<b>Ultima Petrolatum</b>	<b>7.45</b>
	Propylene Glycol Dicaprylate/Dicaprate	6.2
	Copernicia Cerifera (Caranuba) Wax	5.7
	Euphorbia Cerifera (Candelilla) Wax	5.7
	Beeswax	4.3
	<b>Drakeol 21</b>	<b>2.85</b>
	Microcrystalline Wax	2.65
	Tocopheryl Acetate	.4
	Propylparaben	.10
	BHT	.05
C	Fragrance	q.s.
	<b>Total</b>	<b>100%</b>

**Procedure:** Homogenize part A until uniform. Heat part B to 80 °C with stirring until the solids are melted. Add part A with stirring and allow the mixture to cool to 75 °C. Add part C. Pour into molds and cool.

\*Product listed in **bold** is supplied by Calumet, Inc..

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### 24/7 SKIN LOTION

This rich, smooth lotion leaves the skin feeling soft and moist. The product spreads easily and does not leave a greasy afterfeel.

	Ingredients	Weight (%)
A	<b>Drakeol 7</b>	<b>7.0</b>
	Myreth-3 Myristate	5.0
	Sorbitan Stearate	3.6
	Cetyl PPG-2 Isodeceth-7 Carboxylate	3.0
	Steareth-100	2.4
	Dimethicone	0.5
B	Deionized Water	72.5
	Glycerin	2.5
	Carbomer	0.5
C	Sodium Hydroxide (10% aq. Solution)	2.0
D	Propylene Glycol (and) Diazolidinyl Urea (and) Methylparaben (and) Propylparaben	1.0
	Fragrance	q.s.
	<b>Total</b>	<b>100%</b>

**Procedure:** Disperse the Carbomer into rapidly agitated deionized water. Add the glycerin, and heat to 70-75 °C with vigorous stirring. Heat part A to 75-80 °C with stirring. Add part A to part B with stirring and allow to cool. After 5 minutes, add part C. At 40 °C, add part D. Continue stirring to 30 °C.

### DIAPER RASH LOTION

This diaper lotion goes on easily and has a smooth consistency. High levels of petrolatum and mineral oil create an excellent moisture barrier.

	Raw Material	% W/W
A	<b>Amber Petrolatum</b>	<b>18.75</b>
	<b>Drakeol 7</b>	<b>10.0</b>
	Zinc Oxide	10.0
	Glyceryl Oleate (and) Propylene Glycol	2.0
	Dimethicone	1.0
	Benzyl Alcohol	1.0
	Cod Liver Oil	0.50
	Beeswax	0.25
B	Deionized Water	54.0
	Propylene Glycol	1.0
	Aloe Barbadensis Leaf Juice	1.0
	Sorbitol	0.5
	<b>Total</b>	<b>100%</b>

**Procedure:** Mix the part A ingredients except zinc oxide at 65 °C. Slowly sift the zinc oxide into the mixture at 65 °C while maintaining good agitation. Mix the part B ingredients at 55 °C. Add part B to part A with good stirring, then allow to cool. Continue mixing and cooling to ambient temperature and add fragrance with mixing as desired.

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138 Petrolia St., Karns City, PA 16041  
800.437.3188 ■ 724.756.0110 ■ penreco@calumet.com  
To request a sample, visit [penreco.com](https://penreco.com).

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