

Thigh Cream

(Biosil)

A moisturizing cream with the functional benefits of having a natural slimming activity.

A. Water (<i>aqua</i>), deionized	qs	100.00%
Propylene glycol		3.00
B. Emulsifying wax N.F. (Polawax, Croda)	qs	
Cetyl alcohol		0.75
Glycol stearate		2.00
Octyldodecyl octyldodecanoate (Biosil Basics C-38, Biosil)		4.00
Rice (<i>Oryza sativa</i>) bran oil		4.00
Biocetyl dodecyl fluoroheptyl citrate (Biosil Basics Fluoro Guerbet 3.5, Biosil)		2.00
C. Dimethicone (DC 350 Fluid, Dow Corning)		1.00
D. Quaternium-15 (Dowicil 200, Biosil)		0.30
E. Water (<i>aqua</i>) (and) Algae (<i>Chlorella vulgaris</i>) extract (Dermochlorella, Biosil)		2.00
Soluble collagen (Marine Elastin, Biosil)		2.00
F. <i>Laminaria digitata</i> extract (Phyco R-75, Biosil)		1.00

Procedure: Heat A and B separately to 75°C. Add B to A. Add C. Begin to cool to 45°C. Mixing well between additions, add D, E and F. Mix to ambient temperature.

High Silicone Cream

(Croda)

As a cationic conditioner, this quat has been found gentle and safe enough for leave-on skin care products.

A. Water (<i>aqua</i>), deionized		43.00%
B. Dimethicone, 200 cs (DC Fluid 200, Dow Corning)		50.00
Behentrimonium methosulfate (and) cetearyl alcohol (Incroquat Behery TMS, Croda)		6.00
C. Methylparaben (and) butylparaben (and) ethylparaben (and) propylparaben (Germaben II, ISP)		1.00
		<u>100.00</u>

Procedure: Heat A and B, separately, to 80°C. Add B to A with rapid mixing, maintaining temperature for 20 min. Cool to 40°C, then add C. Cool and fill. pH = 5.5±0.5; viscosity = 70,000 cps ± 10% RVT, Spindle #TD at 10 rpm.

Wax-Free, Oil-Free Moisturizer with Conditioner

(Ciba)

A. Water (<i>aqua</i>), deionized	qs	100.00%
B. Glycerin		10.00
Propylene glycol		5.00
Dimethicone copolyol		1.50
Preservative		0.15
Fragrance (<i>parfum</i>)		
C. Polyquaternium-37 (and) propylene glycol (and) dicaprylate/ dicaprate (and) PPG-1 trideceth-6 (Salcare SC 96, Ciba)		2.50
D. Cetrimonium chloride		0.15
E. Triethanolamine		0.05

Procedure: To a clean kettle, add A and D. With moderate agitation, add B and E. Slightly increase agitation, then add C. Slow agitation as viscosity increases and cream/ lotion develops.

Skin Care

Creams

Cholesterol Skin Cream

(Crompton)

A. Water (<i>aqua</i>)	76.60%
Glycerin	5.00
Methylparaben (and) propylparaben (and) imidiazolidinyl urea (and) propylene glycol	0.50
DMDM hydantoin	0.50
B. USP white mineral oil (<i>paraffinum liquidum</i>) (Hydrobrite 1000, Crompton)	10.00
Cetearyl alcohol (and) dicetyl phosphate (and) ceteth-10 phosphate (Crodafos CES, Croda)	2.00
Shea butter (<i>Butyrospermum parkii</i>)	2.00
Ethylhexyl methoxycinnamate	0.20
C. Dimethicone copolyol meadow foamate	0.50
Cholesterol (Fanchol CH, Fanning Corp.)	0.20
Fragrance (<i>parfum</i>)	0.50
Sodium polyacrylate (and) ethylhexyl stearate (and) trideceth-6	2.00
	<u>100.00</u>

Procedure: Premix A in main tank and heat to 70°C. Separately, premix B and heat to 70°C. Add B to A and mix for 30 min at 70°C. Cool batch to 50-55°C. Add C in order. pH range: 5.5-7.0; viscosity range: - 150M-250M.

Moisturizing Baby Cream

(Desert Whale Jojoba)

A gentle conditioner that leaves baby's skin feeling soft and smooth.

A. Water (<i>aqua</i>)	68.50%
B. Glycerin (Glycerin USP, VW&R)	2.50
C. Stearyl alcohol (Lipocol S, Lipo)	3.00
Cetyl alcohol (Lipocol C, Lipo)	3.50
Stearyl alcohol (and) cetareth-20 (Lipowax G, Lipo)	2.00
Glyceryl stearate (Lipo GMS-450, Lipo)	2.50
Dimethicone (DC 200 Fluid, Dow Corning)	1.00
Wheat germ (<i>Triticum vulgare</i>) oil (Wheat Germ Oil, Desert Whale)	0.50
D. Calcium starch octenylsuccinate (Skin-Flow-C, Midwest Grain)	6.50
E. Hydrolyzed jojoba protein (Jojoba PRO-HP, Desert Whale)	5.00
Jojoba (<i>Simmondsia chinensis</i>) amino acids (Jojoba PRO-AA, Desert Whale)	5.00
Preservative	qs

Procedure: Weigh A into a suitable vessel. Begin mixing and add B. Continue mixing and heat to 75°C. In a separate vessel, mix C in order and heat to 75°C. When possible, begin mixing. Add C to AB with good mixing. Mix until uniform. Continue mixing and cool to 50-55°C. Continue mixing and slowly sift in D. Avoid lumping. Continue mixing and cool to 35°C. Continue mixing and add E. Continue mixing until uniform and cool to the desired filling temperature.

Hand and Body Cream with Jojoba Seed Oil

(Desert Whale Jojoba)

A rich, elegant-appearing hand and body cream that relieves dryness leaving the skin with a soft and protected feeling.

A. Water (<i>aqua</i>)	70.10%
B. Carbomer (Ultrez 10, Noveon)	0.20
C. Triethanolamine	1.00
Glycerin	3.00
Propylene glycol	3.00
Panthenol	0.10
D. Jojoba (<i>Simmondsia chinensis</i>) seed oil (and ethylene/propylene/ styrene copolymer (and) butylene/ethylene/styrene copolymer (Jojoba Glaze-HV, Desert Whale)	8.00
Kiwi (<i>Actinidia chinensis</i>) seed oil (Kiwi Seed Oil, Desert Whale)	4.00
Cyclopentasiloxane (GE SF1202, General Electric)	2.00
Dimethicone (DC 200 Fluid, 200 cps, Dow Corning)	0.50
Stearic acid (Stearic Acid TP, Alzo)	2.00
Cetyl alcohol (Crodacol C-70, Croda)	2.00
Glyceryl stearate (Dermol GMS, Alzo)	2.00
Tocopheryl acetate (Vitamin E Acetate, Croda)	0.10
E. Jojoba (<i>Simmondsia chinensis</i>) amino acids (Jojoba PRO-AA, Desert Whale)	1.00
Phenoxyethanol (and) methylparaben (and) propylparaben (and) butylparaben (and) ethylparaben (Phenobact, Alzo)	1.00
Fragrance (<i>parfum</i>)	qs
Pigment	qs

Procedure: Add A to a suitable vessel. Begin strong agitation and sprinkle in B. Mix until uniform and add C. Continue mixing and heat to 70-75°C. Add D to ABC with mixing. Mix until uniform (no less than 30 min at 70-75°C). Continue mixing and cool to 35-40°C. Add E. Continue mixing and cool to the desired fill temperature.

Moisturizing Facial Cream with Sunscreen

(Dow Chemical)

This facial cream was formulated as a daytime moisturizer containing a sunscreen. The utilization of the cellulose ether in the formulation provides viscosity, aids in moisturizing and provides excellent application qualities due to the lubricity it imparts.

A. Water (<i>aqua</i>), deionized	qs 100.00%
B. Xanthan gum	0.17
C. Propylene glycol (Dow Chemical)	0.75
Glycerin (Dow Chemical)	1.25
Aloe barbadensis gel	0.50
Sodium PCA	0.25
Preservative (Dowicil, Dow Chemical)	0.10
D. Petrolatum	3.50
Octyl methoxycinnamate	5.25
Meadowfoam seed (<i>Limnanthes alba</i>) oil	1.75
Oxybenzone	2.35
Octyl salicylate	1.50
Neopentylglycol dicaprylate/dicaprate	2.30
Glyceryl stearate	1.50
PEG-150 distearate	1.75
Stearic acid, triple press	1.25
Emulsifying wax, NF	0.50
Cetyl alcohol	0.50
E. Cellulose ethers, 2% soln (Methocel 40-101, Dow Chemical)	16.50
F. Water (<i>aqua</i>), deionized	1.00
Imidazolidinyl urea	0.25
G. Citric acid, 50% soln	qs

Procedure: Heat A to 60°C under propeller mixing at medium speed. Add B slowly, continue mixing until completely in solution and hydrated, approximately 10 min. Premix C and add to batch. Preblend D and heat to 65-70°C under propeller mixing until completely clear. Then add D to batch on a Homomixer at medium speed for 2 min. Pre-mix/prepare E. Heat to 55°C with mixing. Add to batch on Homomixer at medium speed for 2 min. Reduce speed on Homomixer to low setting and cool to 40-45°C. Place on mixer using sweep blade at low speed, cooling to 35°C. Pre-mix F and add to batch at 35°C. Then cool to 25°C. At 25°C, adjust pH, if necessary, with G.