

AC Biopolymer Soy PF Sample Formulations

Code: 21002PF
INCI Name: Sodium C8-16 Isoalkylsuccinyl Soy Sulfonate
CAS #: 68607-88-5 & 61788-47-4
EINECS #: 271-770-5 & 262-978-7

Sample Finished Formulation Guidelines

Lightweight Mattifying Moisturizer
FNNTA01-08-Lightweight Mattifying Moisturizer

Oil Control Cream Foundation
FNHP02-25-Oil Control Cream Foundation

Lightweight Mattifying Moisturizer Formulation Code: FNTA01-08

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water	78.40
Carbomer	Carbopol® 940 Polymer/Lubrizol	0.40
Tetrasodium EDTA	Tetrasodium EDTA (5%)/Spectrum Chemical	0.90
Phase II		
Caprylic/Capric Triglycerides	Chemonic CCG-6 Surfactant/Lubrizol	6.00
Cetearyl Alcohol & Glyceryl Stearate & Coceth-20	Phytomulse® Coconut/Active Concepts	5.00
Phase III		
Sodium Hydroxide	Sodium Hydroxide (18%)/Spectrum Chemical	0.30
Sodium C8-16 Isoalkylsuccinyl Soy Sulfonate	AC Biopolymer Soy PF/Active Concepts	5.00
Lactobacillus Ferment & Lactobacillus & Cocos Nucifera (coconut) Fruit Extract	Leucidal® SF Complete/Active Micro Technologies	4.00

Manufacturing Process:

1. Sprinkle Carbopol® 940 polymer on the surface while mixing and wait until the polymer is self-wetted.
2. Add remaining Phase I ingredients and begin to heat.
3. Mix Phase II in a separate beaker and begin to heat.
4. Add Phase II to Phase I under high speed mixing. Remove from heat.
5. Homogenize for 3 minutes.
6. Neutralize with sodium hydroxide until pH is about 5.0-5.5. Continue to mix and cool down.
7. Add Phase III ingredients with continuous mixing.

Oil Control Cream Foundation

Formulation Code: FNHP02-25

Ingredient	Trade Name/Vendor	%
Phase I		
Isododecane & Isobutylmethacrylate/Bis-Hydroxypropyl Dimethicone Acrylate Copolymer	SilDerm® Acrylate ID/Active Concepts	10.00
Cetearyl Alcohol (and) Ceteareth-20	Procol™ CS-20-D/Protameen	3.00
Sorbitan Palmitate	Jeechem SMO/Jeen	2.00
Cyclopentasiloxane & Dimethicone/Bis Vinyl dimethicone/Silsesquioxane Crosspolymer & Silk	SilDerm® Softening/Active Concepts	5.00
Polymethylsilsesquioxane & Silica	SilDerm® Diffusing/Active Concepts	2.00
Polymethylsilsesquioxane	SilDerm® SQ/Active Concepts, LLC	5.00
Cyclopentasiloxane & Dimethicone & Cyclohexasiloxane & Isohexadecane & Ammonium Polyacryloyldimethyl Taurate & Tocopheryl Acetate & Polysorbate 20 & Polysorbate 80	SilDerm® Formulating Base/Active Concepts	25.00
Phase II		
Water	Water/Local	9.50
Magnesium Aluminum Silicate	Veegum® HV/R.T. Vanderbilt	0.45
Populus Tremuloides (Aspen) Bark Extract	PhytoCide Aspen Bark Extract Powder/Active Micro Technologies	2.00
Hydrolyzed Pearl	AC Pearl Hydrolysate PF/Active Concepts	5.00
Water & Saccharomyces/Zinc Ferment & Saccharomyces/Copper Ferment & Saccharomyces/Magnesium Ferment & Saccharomyces/Iron Ferment & Saccharomyces/Silicon Ferment	ACB Bio-Chelate PF/Active Concepts	2.00
Lactobacillus Ferment & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	Leucidal® SF Complete/Active Micro Technologies	4.00
Sodium C8-16 Isoalkylsuccinyl Soy Sulfonate	AC Biopolymer Soy PF/Active Concepts	5.00
Phase III		
Glycerin	Glycerin/Spectrum Chemical	3.00
Butylene Glycol	Butylene Glycol/Spectrum Chemical	3.50
Carrageenan	Viscarin® PC 209/FMC BioPolymer	0.15
Phase IV		
Iron Oxides (CI 77499) (and) Cyclopentasiloxane (and) PEG/PPG-20/15 Dimethicone (and) Triethoxycaprylylsilane	FA60EBSI/Kobo Products Inc.	0.10
Iron Oxides (CI 77491) (and) Cyclopentasiloxane (and) PEG/PPG-20/15 Dimethicone (and) Triethoxycaprylylsilane	FA55ERSI/Kobo Products Inc.	0.20
Iron Oxides (CI 77492) (and) Cyclopentasiloxane (and) PEG/PPG-20/15 Dimethicone (and) Triethoxycaprylylsilane	FA50EYSI/Kobo Products Inc.	1.10
Phase V		
Diamond Powder	AC Diamond Dust/Active Concepts	2.00
Isododecane & Isobutylmethacrylate/Bis-Hydroxypropyl Dimethicone Acrylate Copolymer	SilDerm® Acrylate ID/Active Concepts	5.00
Cetearyl Alcohol (and) Ceteareth-20	Procol™ CS-20-D/Protameen	3.00
Sorbitan Palmitate	Jeechem SMO/Jeen	2.00

Manufacturing Process:

- Phase I:** In main beaker, blend ingredients with homogenization and heat to 80°C.
- Phase II:** In a separate container, blend ingredients with propeller mixing. Heat to 75°C.
- Phase III:** Pre-blend ingredients and add to Phase II. Once temperatures have been reached, add Phases II and III to Phase I very slowly with homogenization. Maintain batch temperature of 75°C and continue to homogenize for 15 minutes.
- Phase IV:** Switch to propeller mixing. Add each.
- Phase V:** Add each at 50°C.