

SilDerm® Formulating Base Sample Formulations

Code: 30304
INCI Name: Cyclopentasiloxane & Dimethicone & Cyclohexasiloxane & Isohexadecane & Ammonium Polyacryloyldimethyl Taurate & Tocopherol Acetate & Polysorbate 20 & Polysorbate 80
CAS #: 541-02-6 & 9006-65-9 & 540-97-6 & 4390-04-9 & 62152-14-1 & 58-95-7 & 9005-64-5 & 9005-65-6
EINECS #: 208-764-9 & N/A & 208-762-8 & 224-506-8 & N/A & 200-405-4 & N/A & 500-019-9

Sample Finished Formulation Guidelines

SilDerm Cream Foundation
FNFB02-165 – Name of Sample

SilDerm® Cream Foundation

Formulation Code: FNFB02-165

Ingredient	Trade Name/Vendor	%
Phase I		
Isododecane (and) Isobutylmethacrylate/Bis-Hydroxypropyl Dimethicone Acrylate Copolymer	SilDerm® Acrylate ID/ Active Concepts, LLC	10.00
Cetearyl Alcohol (and) Cetareth-20	Procol CS 20 D/Protameen	3.00
Sorbitan Palmitate	Jeechem SMP/Jeen	2.00
Cyclopentasiloxane (and) Polydimethylsiloxane/Polymethylsilsesquioxane Copolymer (and) Silk	SilDerm® Softening/ Active Concepts, LLC	5.00
Polymethylsilsesquioxane (and) Silica	SilDerm® Diffusing/Active Concepts, LLC	2.00
Polymethylsilsesquioxane	SilDerm® SQ/Active Concepts, LLC	5.00
Dimethicone (and) Cyclopentasiloxane (and) Cyclohexasiloxane (and) Isohexadecane (and) Ammonium Polyacryloyldimethyl Taurate (and) Polysorbate 20 (and) Polysorbate 80 (and) Tocopheryl Acetate	SilDerm® Formulating Base/ Active Concepts, LLC	25.00
Phase II		
Water	Water	13.50
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/ Active Concepts, LLC	5.00
Water (and) Butylene Glycol (and) Saccharomyces Magnesium Ferment Extract (and) Saccharomyces Copper Ferment Extract (and) Saccharomyces Zinc Ferment Extract	ACB Bio-Chelate MCZ/ Active Concepts, LLC	2.00
Leuconostoc/Radish Root Ferment Filtrate	Leucidal Liquid SF/Active Micro Technologies	2.00
Phase III		
Glycerin	Glycerin	5.00
Butylene Glycol	Butylene Glycol	4.50
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
Titanium Dioxide (and) Cyclopentasiloxane (and) Hexyl Laurate (and) Dimethicone (and) Stearic Acid (and) Alumina	AC TiO ₂ Disp 55/Active Concepts, LLC	10.00
Phase V		
Diamond Powder	AC Diamond Dust/Active Concepts, LLC	2.00
Isododecane (and) Isobutylmethacrylate/Bis-Hydroxypropyl Dimethicone Acrylate Copolymer	SilDerm® Acrylate ID/ Active Concepts, LLC	10.00
Cetearyl Alcohol (and) Cetareth-20	Procol CS 20 D/Protameen	3.00
Sorbitan Palmitate	Jeechem SMP/Jeen	2.00
Cocoyl Honeyate	Honey Matte/Active Concepts, LLC	3.00

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.