



KLF-326D

# IFSCC Poster Formulation - Clean Foundation

%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
5.50	Cetiol® CC	Dicaprylyl Carbonate	BASF Care Creations
5.00	SunBoost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
4.00	MAKIBASE SEB	Polyglyceryl-3 Polyricinoleate (And) Polyglyceryl-3 Diisostearate	Daito/Kobo Products
3.58	PHYTOLANE LS	Squalane	Barnet
3.00	DERMOL IPIS	Isopropyl Isostearate	Alzo International
1.50	Plurol® Diisostearique	Polyglyceryl 3 Diisostearate	Gattefossé
1.00	Lexgard® Natural MB	Glyceryl Caprylate (and) Glyceryl Undecylenate	Inolex
1.00	Trioxene LV	Isodecyl Citrate	Vevey Europe SpA
0.30	Lecinol S-10	Hydrogenated Lecithin	Barnet
<b>Part 2</b>			
8.00	PHYTOLANE LS	Squalane	Barnet
1.50	BENTONE® 38 V CG	Disteardimonium Hectorite	Elementis
0.50	PhenoxetoI™	Phenoxyethanol	Clariant
<b>Part 3</b>			
7.25	BTD-ASGP3	Titanium Dioxide (CI 77891) (CI 77891) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
7.00	ZNO-750-ASGP6	Zinc Oxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
1.00	GMS-ASGP4	Mica (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
1.00	CELLULOBEADS D-5-ASG3	Cellulose (And) Stearoyl Glutamic Acid	Kobo Products
0.69	BWYO-ASGP3	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
0.44	TIO2 CR-50-ASGP3	Titanium Dioxide (And) Alumina (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
0.22	BWRO-ASGP3	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
0.09	BEUB-ASGP6	Ultramarines (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
0.05	ULTRA VIOLET B.C. - BRIGHT VIOLET	Ultramarine Violet	DyStar
0.05	BWBO-ASGP3	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
<b>Part 4</b>			
41.68	Deionized Water	Water	
1.00	Sodium Chloride	Sodium Chloride	Morton Salt
<b>Part 5</b>			
4.00	Zemea®	Propanediol	Du Pont, Tate & Lyle
0.15	Keltrol® CG	Xanthan Gum	CP Kelco
<b>Part 6</b>			
0.50	AE Preserve® PCG	Phenethylalcohol (And) Caprylhydroxamic Acid (And) Glycerin	AE Chemie
100.00			

## Description:

This is a liquid foundation with UV protection which will leave skin looking flawless and dewy while protecting skin from the sun. This formula features ZNO-750-ASGP6 for balanced UVB/UVA protection. ASGP-treated ZnO requires minimal energy to disperse. SunBoost ATB Natural is a proprietary ratio of three ingredients that boosts in-vivo SPF and PFA along with providing skin care benefits. ASGP-treated Iron Oxides and Titanium Dioxide provide coverage and the shade. They disperse easily and promote better wear properties due to the ASGP-treated pigments' adhesion to skin. MAKIBASE SEB is a vegetable-based, PEG-free emulsifier. CELLULOBEADS D-5-ASG3 provides softness, creaminess and reduces tack.

## Manufacturing Procedure:

1. Combine the ingredients in Part 1 with a Silverson mixing at (25°-30°C) until homogenous. Prepare Part 2 (Bentone Gel) separately with a Cowles mixer by dispersing the Bentone clay in the squalane for 20 minutes. Add the phenoxyethanol and continue mixing for 10 minutes. Add Part 2 (Bentone Gel) to Part 1 and continue to mix until homogenous.
2. In a blender, Micropulverize the ingredients of part 3 and add slowly to Part 1 under the homogenizer.
3. Homogenize in a cool water bath until dispersed at (25°-30°C).
4. Stir part 4 with a propeller mixer until the solution is clear at RT.
5. Combine Part 5 into a slurry and add it to Part 4 stirring for 10-15 minutes.
6. Slowly add the Aqueous phase Parts (4,5) to the pigmented Oil phase Part (1,2,3)
7. While homogenizing with the Silverson and maintaining temperature (25°-35°C).
8. Add the preservative Part 6 to the batch. Continue mixing for 10-15 minutes.
8. Cool the batch to a temperature of 25°-27°C and fill into appropriate packaging.



Notes:



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## FORMULATIONS

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