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Long-Wearing Creamy Foundation with Sunscreen

Products highlighted: Floraesters[®] K-20W Jojoba, Floraesters IPJ

The jojoba-derived Floraesters IPJ in this cream makeup formula provides a silky skin feel, improves application properties, and increases “playtime.” Floraesters IPJ is an excellent pigment wetting agent, and improves pigment dispersion in this formula. Floraesters K-20W Jojoba imparts long-wearing, smudge-resistant qualities to the product.

Phase	Trade Name	INCI Name	Supplier	%wt./wt.
A.	CMC 7MF	Cellulose Gum	Aqualon	0.30
	Veegum	Magnesium Aluminum Silicate	R.T. Vanderbilt	0.80
	Propylene Glycol	Propylene Glycol	Ashland	5.0
	Deionized Water	Water	-----	Q.S.
B.	Propylene Glycol	Propylene Glycol	Ashland	5.0
	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Floratech	10.0
C.	Supra H	Talc	Luzenac America	3.00
	Kowet	Titanium Dioxide	Sensient Food Colors	11.00
	Pur Oxy Red B.C. 34-3080	Iron Oxides	Lubrizol	0.20
	Pur Oxy Yellow B.C. 34-3170	Iron Oxides	Lubrizol	1.14
	Pur Oxy Red B.C. 34-3551	Iron Oxides	Lubrizol	0.24
	Pur Oxy Black B.C. 34-3068	Iron Oxides	Lubrizol	0.24
D.	Standapol SH-135	Disodium Oleamido PEG-2 Sulfosuccinate	Cognis	0.13
E.	Floraesters IPJ	Isopropyl Jojobate (and) Jojoba Alcohol (and) Jojoba Esters (and) Tocopherol	Floratech	11.00
	Vitamin E Acetate CG	Tocopheryl Acetate	DSM	0.20
	Lanette 16	Cetyl Alcohol	Cognis	0.50
	Pristerene 4911	Stearic Acid	Uniqema	2.40
	Lexemul 561	Glyceryl Stearate (and) PEG-100 Stearate	Inolex	0.60
	SF 96-350 Silicone Fluid	Dimethicone	GE Silicones	0.20
	SF 1202 Silicone Fluid	Cyclomethicone	GE Silicones	3.00
	Parsol MCX	Ethylhexyl Methoxycinnamate	DSM	5.00
	Octyl Salicylate	Ethylhexyl Salicylate	Alzo	3.00
F.	Preservative	-----		Q.S.
			TOTAL	100.00

Mixing Procedure:

- Disperse CMC and Veegum in Propylene Glycol of Phase A. Heat water of Phase A to 75°C, and add gum dispersion to water. Mix for 30 minutes to hydrate gums.
- Dissolve K-20W of Phase B into Propylene Glycol until uniform; add to Phase A at 75°C with propeller agitation.
- Add Phase C ingredients to Phase AB at 75°C with high speed homomixer agitation. Mix for 30 minutes.
- Add Phase D to Phase ABC with moderate homomixer agitation. Mix 10 minutes and hold at 80°C.
- Combine Phase E ingredients and heat to 80°C with propeller agitation. With both Phase ABCD and Phase E at 80°C, add Phase E slowly to Phase ABCD with moderate propeller agitation. Mix 20 minutes and force cool with propeller agitation to 50°C.
- Add Phase F to Phases ABCDE at 50°C and cool to room temperature with moderate propeller agitation.

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of their accuracy is made and the products discussed are sold without warranty, expressed or implied, and upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes. Likewise, statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent.