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All-Day-Long Concealer

Product highlighted: *Floraesters® IPJ*

This under-eye concealer provides superior, natural-looking, all-day coverage. Floraesters IPJ demonstrates amazing slip and spreadability to support smooth application with high coverage. This unique, dry emollient offers an even and matte appearance to the final product while firming the skin. With its excellent oxidative stability in the presence of iron oxides, Floraesters IPJ is the perfect botanically-derived emollient for highly pigmented products.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt./wt.
A.	Deionized Water	Water	-----	q.s.
	Tween® 61	Polysorbate 61	Croda, Inc.	0.10
B.	Zemea®	Propanediol	DuPont Company	7.00
	Carbowax® Sentry® Polyethylene Glycol 400 NF, FCC	PEG-8	The Dow Chemical Co.	3.00
	Preservative	-----	-----	q.s.
	Veegum® Granules	Magnesium Aluminum Silicate	R.T. Vanderbilt	0.90
	Keltrol® CG-T	Xanthan Gum	CP Kelco	0.15
C.	Supra® H, USP	Talc	Luzenac America	2.40
	Unipure® Red LC 381	Iron Oxides	LCW/Sensient	0.27
	Unipure® Yellow LC 182	Iron Oxides	LCW/Sensient	0.89
	Pur Oxy Black B.C. 34-PC-3190E	Iron Oxide	Emerald Hilton Davis	0.18
	Titanium Dioxide (Oil Dispersed)	Titanium Dioxide	Emerald Hilton Davis	8.55
	Tres® BN PUHP1109	Boron Nitride	Saint-Gobain Ceramics & Plastics, Inc.	0.50
	Biron® B-50	Bismuth Oxychloride	EMD Chemicals	1.80
D.	Floraesters IPJ	Jojoba Esters (and) Isopropyl Jojobate (and) Jojoba Alcohol	Floratech	5.00
	Myritol® 312	Caprylic/Capric Triglyceride	Cognis GmbH	5.00
	Pelemol® IN-2	Isononyl Isononanoate	Phoenix Chemical, Inc.	6.00
	Lanette® 16	Cetyl Alcohol	Cognis Corporation	0.60
	Emersol® 132 NF Lily	Stearic Acid	Cognis Oleo Chemicals	3.00
	Myritol® PC	Propylene Glycol Dicaprylate/Dicaprate	Cognis Care Chemicals	3.50
	Lexemul® 561	Glyceryl Stearate (and) PEG-100 Stearate	Inolex Chemicals	2.00
	Vitamin E Acetate	Tocopheryl Acetate	Essential Ingredients	0.10
	Vitamin A Palmitate	Retinyl Palmitate	DSM Nutritional Products	0.010
E	Deionized Water	Water	-----	3.00
	Tris Amino® 40%	Tromethamine	The Dow Chemical Co.	0.45
F	Dow Corning® 9509 Silicone Elastomer Suspension	Dimethicone/Vinyl Dimethicone Cross-polymer (and) C12 - C14 Pareth-12	Dow Corning Corporation	0.80
	Preservative	-----	-----	q.s.
TOTAL				100.00

Mixing Procedure

1. Heat the deionized water of Phase A to 75-80°C. Add Tween 61 with moderate propeller agitation.
2. In a separate vessel, mix all ingredients of Phase B.
3. Add Phase B to Phase A at 75-80°C with moderate propeller agitation. After the Keltrol CG-T is completely hydrated, switch the agitation to homomixing (square-hole head, typical). Mix at medium-high speed until uniform.
4. Add the ingredients of Phase C to Phase AB in the order listed with high-speed homomixer agitation. Continue mixing at 75-80°C with high-speed homomixer agitation until all pigments are completely ground and the color appears uniform.
5. Combine the ingredients of Phase D and heat to 75°C with propeller agitation. Add this to Phase ABC with homomixer agitation. After Phase D is completely mixed, switch to moderate propeller agitation and continue mixing until the mixture appears uniform.
6. Mix the ingredients of Phase E. Add Phase E to Phase ABCD at 75-80°C and mix with moderate propeller agitation until the mixture appears uniform. Begin cooling.
7. At 45-50°C, add the ingredients of Phase F in the order listed with moderate propeller agitation. Compensate for deionized water loss by weight. Continue mixing with moderate propeller agitation until the mixture reaches room temperature.

Typical Properties: pH: 6.3 - 6.7
Viscosity: ≥ 121,100 cP

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of accuracy is made and the products 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 or in the treatment, prevention, or cure of any medical condition. (Cleared for Public Disclosure).

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