



Variable-Tint Liquid Foundation with Florasomes

Products highlighted: *Floraesters® K-20W Jojoba, Floraesters IPJ, and Florasomes® Jojoba*

Jojoba-derived Floraesters IPJ in this formula improves the skin-feel, improves application properties, and optimizes playtime. Floraesters IPJ is an excellent pigment-wetting agent and improves pigment dispersion. Floraesters K-20W Jojoba imparts long-wearing, smudge-resistant qualities to the product. The pigmented Florasomes offer the option of additional custom shading.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt./wt.
A.	Aqualon® Cellulose Gum (CMC) 7MF	Cellulose Gum	Hercules, Inc.	0.30
	Veegum® Granules	Magnesium Aluminum Silicate	R.T. Vanderbilt	0.80
	Propylene Glycol, USP	Propylene Glycol	The Dow Chemical Co.	5.00
	Deionized Water	Water	- - - -	q.s.
B.	Propylene Glycol, USP	Propylene Glycol	The Dow Chemical Co.	5.00
	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Floritech	10.00
C.	Supra® H, USP	Talc	Luzenac America	3.00
	Titanium Dioxide (Oil Dispersed)	Titanium Dioxide	Emerald Hilton Davis	11.00
	Pur Oxy Red B.C. 34-PC-3080	Iron Oxides	Emerald Hilton Davis	0.020
	Pur Oxy Yellow B.C. 34-PC-3170	Iron Oxides	Emerald Hilton Davis	0.114
	Pur Oxy Red B.C. 34-PC-3551	Iron Oxides	Emerald Hilton Davis	0.024
	Pur Oxy Black B.C. 34-PC-3068	Iron Oxides	Emerald Hilton Davis	0.024
D.	Mackanate® OD-35	Disodium Oleamido PEG-2 Sulfosuccinate	Rhodia Novacare	0.13
E.	Floraesters IPJ	Isopropyl Jojobate (and) Jojoba Alcohol (and) Jojoba Esters (and) Tocopherol	Floritech	11.00
	Vitamin E Acetate	Tocopheryl Acetate	Essential Ingredients	0.20
	Lanette® 16	Cetyl Alcohol	Cognis Corporation	0.50
	Pristerene® 4911	Stearic Acid	Croda, Inc.	2.40
	Lexemul® 561	Glyceryl Stearate (and) PEG-100 Stearate	Inolex Chemicals	0.60
	SF 96®-350	Dimethicone	Momentive Performance Materials	0.20
	SF1202	Cyclopentasiloxane	Momentive Performance Materials	3.00
F.	Preservative	- - - -	- - - -	q.s.
	Florasomes Jojoba SMS 20% Pigment¹	Jojoba Esters (and) Pigment	Floritech	10.00
TOTAL				100.00

Mixing Procedure

1. Disperse Aqualon Cellulose Gum (CMC) 7MF in deionized water and then add Veegum Granules to deionized water of Phase A. Heat deionized water of Phase A to 75°C, then add Propylene Glycol, USP. Mix until completely hydrated.
2. Disperse Floraesters K-20W Jojoba of Phase B into Propylene Glycol, USP until uniform, then add to Phase A at 75°C with propeller agitation.
3. Add Phase C ingredients to Phase AB at 75°C with high speed homomixer agitation. Mix for at least 30 minutes to ensure good pigment dispersion.
4. Add Phase D to Phase ABC with moderate homomixer agitation. Mix until homogenous and hold at 80°C.
5. Combine Phase E ingredients and heat to 80°C with propeller agitation. With Phase ABCD and Phase E at 80°C, add Phase E slowly to Phase ABCD with moderate propeller agitation. Mix until uniform and force cool with propeller agitation to 40°C.
6. Add the preservative Phase F to Phase ABCDE at 40°C. Use propeller agitation, except for the Florasomes addition, which should be done by hand sweeping action.

¹ Any color or combination of colors may be used

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).