



a **Cargill** company

Long-Wearing Creamy Foundation

Products Highlighted: *Floraesters® IPJ* and *Floraesters K-20W® Jojoba*



This formula, containing jojoba derived ingredients, produces a long-wearing, high-coverage, BB-type cream. Floraesters IPJ improves the skin feel and application properties while increasing the spread. Floraesters IPJ also acts as a pigment-wetting agent by improving the dispersion of pigments in this formula. Floraesters K-20W Jojoba imparts long-wearing and smudge-resistant qualities.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	Aqualon® CMC-7MF	Cellulose Gum	Ashland	0.30
	Veegum® R	Magnesium Aluminum Silicate	Vanderbilt Minerals, LLC	0.80
	Propylene Glycol USP/EP	Propylene Glycol	Ashland	5.00
B.	Supra® H USP	Talc	Luzenac America, Inc.	3.00
	Titanium Dioxide (U.S.P., C.T.F.A., Food Grade) (34PC0748)	Titanium Dioxide	DyStar	11.00
	Unipure® Yellow LC 182	Iron Oxides	Sensient Cosmetic Technologies	1.14
	Unipure® Red LC 381	Iron Oxides	Sensient Cosmetic Technologies	0.44
	Pur Oxy Black BC (34PC3190E)	Iron Oxides	DyStar	0.24
C.	Mackanate® OD-35	Disodium Oleamido PEG-2 Sulfosuccinate	Solvay	0.13
D.	Floraesters IPJ	Isopropyl Jojobate (and) Jojoba Alcohol (and) Jojoba Esters	Florotech	11.00
	Vitamin E Acetate Lanette® 16	Tocopheryl Acetate	Essential Ingredients	0.20
	Triple Pressed Stearic Acid	Cetyl Alcohol	BASF Corporation	0.50
	Lexemul® 561	Stearic Acid	Essential Ingredients	2.40
	SF96 350	Glyceryl Stearate (and) PEG-100 Stearate	Inolex	0.60
	Botanisol® CP-33	Dimethicone	Momentive Performance Materials	0.20
E.	Propylene Glycol USP/EP	Cyclopentasiloxane	Botanigenics	3.00
	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Florotech	10.00
F.	Preservative ¹	-----	-----	q.s.
Total				100.00

Mixing Procedure

1. Disperse the Aqualon CMC-7MF in the deionized water. Add the Veegum Granules to the Propylene Glycol USP/EP and add to the mixture. Heat to 75°C and keep mixing until completely hydrated.
2. Add Phase B ingredients to Phase A at 75°C with rapid homomixing. Mix for at least 30 minutes to ensure uniform pigment dispersion.
3. Add Phase C to Phase AB with moderate homomixing. Mix until homogeneous and hold at 80°C.
4. Combine Phase D ingredients and heat to 80°C with moderate propeller agitation. With Phase ABC and Phase D at 80°C, add Phase D slowly to Phase ABC with moderate propeller agitation. Mix until uniform and chill with moderate propeller agitation to 50°C.
5. Dissolve the Floraesters K-20W Jojoba of Phase E into the Propylene Glycol USP/EP until uniform. Add to Phase ABCD at 75°C with moderate propeller agitation.
6. Add Phase F to Phase ABCDE at 50°C and cool to room temperature with moderate propeller agitation.

¹ Preservative: Germaben® II-E [INCI: Propylene Glycol (and) Diazolidinyl Urea (and) Methylparaben (and) Propylparaben] supplied by International Specialty Products

Typical Properties: pH: 6 - 8
Viscosity: ≥ 120,900cP

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 provided without warranty, expressed or implied and upon condition that purchasers shall make their own tests to determine the suitability, stability or safety 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. INCI/trade names must be verified with each manufacturer. (Cleared for Public Disclosure)