



# Gentle Touch BB Cream

Products Highlighted: Emulsun®, L22®, Florasun® 90, Floraesters® IPJ, Floraesters 15, Floraesters 20, Floraesters 60, Floramac® 10, and Floraesters K-20W® Jojoba



This lightweight, multifunctional BB cream includes a balanced combination of Floratech ingredients to produce healthier skin while also providing medium coverage of imperfections. Floramac 10 delivers a silicone like feel with Floraesters IPJ and Florasun 90 contributing to pigment dispersion stability. Floraesters and L22 provide skin hydration and barrier function properties to the skin, and Emulsun is used to achieve ideal formulation viscosity and product aesthetic. 🌿\*

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	1,3-BG	Butylene Glycol	Nexeo Solutions	3.00
	Natrosol® 250 HR CS	Hydroxyethylcellulose	Ashland Chemicals	0.20
	Veegum® R	Magnesium Aluminum Silicate	Vanderbilt Minerals, LLC	0.85
B.	Dispersun DSP-OL100	Polyhydroxystearic Acid	Innospec Performance Chemicals	0.35
C.	Unipure® White LC 987	Titanium Dioxide	Sensient Cosmetic Technologies	5.50
	Tres BN® PUHP1109	Boron Nitride	Saint-Gobain Advanced Ceramics	0.80
	Supra® H USP	Talc	Luzenac America, Inc.	0.50
	Unipure® Yellow LC 182	Iron Oxides	Sensient Cosmetic Technologies	1.28
	Unipure® Red LC 381	Iron Oxides	Sensient Cosmetic Technologies	1.62
	Pur Oxy Black BC (34PC3190E)	Iron Oxides	DyStar	0.10
D.	Deionized Water	Water	-----	q.s.
	1,3-BG	Butylene Glycol	Nexeo Solutions	2.00
	Keltrol® CG	Xanthan Gum	CP Kelco	0.10
E.	<b>Floraesters IPJ</b>	<b>Isopropyl Jojobate (and) Jojoba Alcohol (and) Jojoba Esters</b>	<b>Floratech</b>	<b>3.00</b>
	<b>L22</b>	<b>Jojoba Oil/Macadamia Seed Oil Esters (and) Squalene (and) Phytosteryl Macadamiate (and) Phytosterols (and) Tocopherol</b>	<b>Floratech</b>	<b>2.00</b>
	<b>Floraesters 20</b>	<b>Jojoba Esters</b>	<b>Floratech</b>	<b>0.50</b>
	<b>Floraesters 60</b>	<b>Jojoba Esters</b>	<b>Floratech</b>	<b>0.50</b>
	Vegarol® 1898	Stearyl Alcohol	Essential Ingredients	0.50
	Univul® MC80	Ethylhexyl Methoxycinnamate	BASF Corporation	4.00
	Escalol® 587	Ethylhexyl Salicylate	International Specialty Products	2.00
	Vitamin E Acetate	Tocopheryl Acetate	Essential Ingredients	0.50
	Actique® Ceramide	Ceramide NG	Jarchem Industries, Inc.	0.10
	<b>Emulsun</b>	<b>Hydrogenated Sunflower Seed Oil Polyglyceryl-3 Esters (and) Hydrogenated Sunflower Seed Oil Glyceryl Esters (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate</b>	<b>Floratech</b>	<b>4.00</b>

## Mixing Procedure

- Mix the Natrosol 250 HR CS, Veegum R, and 1,3 BG, and add to the deionized water of Phase A with rapid propeller agitation. Heat to 60-65°C and continue to mix with rapid propeller agitation until completely hydrated.
- Shift Phase A to moderate to rapid homomixing agitation at 75-80°C.
- Add Phase B to Phase A at 75-80°C with rapid homomixing agitation.
- When Phase AB becomes uniform, add the ingredients of Phase C at 75-80°C with rapid homomixing agitation in the order listed.
- In a separate vessel, mix all the ingredients of Phase D at room temperature and add to Phase ABC at 75-80°C with moderate to rapid homomixing agitation.
- In a separate vessel, mix the ingredients of Phase E except for the Emulsun and the Actique Ceramide with moderate propeller agitation and heat to 75-80°C until uniform. When the mixture becomes clear add the Actique Ceramide at 75-80°C with moderate propeller agitation until uniform. When the mixture becomes clear add the Emulsun at 75-80°C with moderate propeller agitation until uniform.
- Add Phase E to Phase ABCD at 75-80°C with moderate homomixing agitation.

(Continued on 2nd Page)

**Typical Properties:** pH: 6 - 7  
 Viscosity: 224 - 493kcp  
 Mean SPF (n=3):<sup>1</sup> 15

<sup>1</sup> The clinical study of M036 was conducted by Eurofins CRL Inc. on a panel with a total of 3 male and female subjects aged 28-31 for static SPF testing. Testing was conducted according to the US FDA Final Rule; 21 CFR Parts 201 and 310. Final Report available upon request.

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)



# Gentle Touch BB Cream (pg2)

Products Highlighted: *Emulsun®*, *L22®*, *Florasun® 90*, *Floraesters® IPJ*, *Floraesters 15*, *Floraesters 20*, *Floraesters 60*, *Floramac® 10*, and *Floraesters K-20W® Jojoba*



Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
F.	Dispersun DSP-OL100	Polyhydroxystearic Acid	Innospec Performance Chemicals	0.15
	<b>Floraesters 15</b>	<b>Jojoba Esters</b>	<b>Floratech</b>	<b>2.00</b>
	<b>Floramac 10</b>	<b>Ethyl Macadamiate</b>	<b>Floratech</b>	<b>4.00</b>
	<b>Florasun 90</b>	<b>Helianthus Annuus (Sunflower) Seed Oil</b>	<b>Floratech</b>	<b>2.00</b>
	Polyaldo® 3-1-S	Polyglyceryl-3 Stearate	Lonza, Inc.	0.75
UVR TiO2 AS	Titanium Dioxide (and) Triethoxycaprylylsilane	Sensient Cosmetic Technologies	4.00	
G.	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co.	3.00
	Zemea® Propanediol	Propanediol	DuPont Tate & Lyle BioProducts	3.00
	<b>Floraesters K-20W Jojoba</b>	<b>Hydrolyzed Jojoba Esters (and) Water (Aqua)</b>	<b>Floratech</b>	<b>2.50</b>
H.	Preservative <sup>2</sup>	-----	-----	q.s.
	Citric Acid (10% Solution)	Citric Acid (and) Water	Archer Daniels Midland Co.	q.s.
<b>Total</b>				<b>100.00</b>

## Mixing Procedure (cont'd)

8. In a separate vessel, mix all ingredients of Phase F except the UVR TiO2 AS at 75-80°C with moderate propeller agitation. When the mixture is uniform, add the UVR TiO2 AS at 75-80°C with moderate to rapid homomixing agitation.
9. Add Phase F to Phase ABCDE at 75-80°C with moderate homomixing agitation.
10. Shift the Phase ABCDEF to moderate to rapid propeller agitation and cool to 50-55°C.
11. Mix the ingredients of Phase G with hand mixing at room temperature until uniform and add to Phase ABCDEF.
12. Add Phase H at 50-55°C in the order listed with moderate propeller agitation.
13. Stop mixing at 40-45°C.

**Typical Properties:** pH: 6 - 7  
 Viscosity: 224 - 493kcP  
 Mean SPF (n=3):<sup>1</sup> 15

<sup>2</sup> Preservative: Euxyl® PE 9010 [INCI: Phenoxyethanol (and) Ethylhexylglycerin] supplied by Schülke & Mayr

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