



# Facial Lotion with Long-Lasting Protection

**Product Highlighted:** *Floraesters K-20W® Jojoba*



This UVB-sunscreen-containing facial lotion including Floraesters® K-20W Jojoba helps the product last longer on the skin providing protection throughout the day. For a lighter skin feel, while maintaining substantivity, the formulator may choose to reduce the level of Floraesters K-20W Jojoba to 5%.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Triple Pressed Stearic Acid	Stearic Acid	Essential Ingredients	3.00
	Lanette® 16	Cetyl Alcohol	BASF Corporation	1.80
	Amphisol®	DEA-Cetyl Phosphate	DSM Nutritional Products	2.50
	Eusolex® 2292	Ethylhexyl Methoxycinnamate (and) BHT	EMD Chemicals	7.00
	Botanisol® CP-33	Cyclopentasiloxane	Botanigenics, Inc.	5.00
B.	<b>Floraesters K-20W Jojoba</b>	<b>Hydrolyzed Jojoba Esters (and) Water (Aqua)</b>	<b>Floratech</b>	<b>10.00</b>
	Deionized Water	Water	-----	q.s.
	Glycerin, USP	Glycerin	The Dow Chemical Co.	4.00
C.	Keltrol® CG-T	Xanthan Gum	CP Kelco	0.25
	Preservative	-----	-----	q.s.
<b>Total</b>				<b>100.00</b>

## Mixing Procedure

- Mix ingredients of Phase A together with moderate propeller agitation at 75-80°C.
- Mix the Floraesters K-20W Jojoba with the Glycerin, USP and stir until completely mixed. Add the mixture into the deionized water. Stir in the Keltrol CG-T very slowly, allowing time to hydrate. Continue mixing with moderate propeller agitation at 80°C.
- Add Phase A to Phase B with rapid propeller agitation.
- Add Phase C at 40°C. Cool to room temperature with moderate propeller agitation.

**Typical Properties:** pH: 6 - 7  
**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 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)