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## Anti-Aging Cream with Dermaxyl<sup>®</sup>

Products highlighted: *Floraesters<sup>®</sup> 20, Floraesters 30, Floraesters K-20W Jojoba Florasolvs<sup>®</sup> PEG-150 Hydrogenated Jojoba*

This cream is a substantive skin conditioner that effectively combats wrinkles with the latest in peptide technology. Floraesters 20 & 30 also has data to support reduction of fine lines. Floraesters K-20W Jojoba is used both for jojoba emolliency and as the neutralizer for the polymer system in this formula. Long term skin moisturization is achieved with the use of this lotion.

Phase	Trade Name	INCI Name	Supplier	%wt./wt
A.	Deionized Water	Water		60.40
	Carbopol Ultrez 10	Carbomer	Lubrizol	0.25
B.	Glycerin USP	Glycerin	Acme-Hardesty	3.50
	Preservative	-----		Q.S.
C.	Volpo S-10	Steareth-10	Croda, Inc.	1.50
	Crodafos CES	Cetearyl Alcohol (and) Dicapryl Phosphate (and) Ceteth-10 Phosphate	Croda, Inc.	3.50
	Dimethicone DC 200	Dimethicone	Dow Corning	2.00
	<b>Floraesters 20</b>	<b>Jojoba Esters (and) Tocopherol</b>	<b>Floratech</b>	1.50
	<b>Floraesters 30</b>	<b>Jojoba Esters (and) Tocopherol</b>	<b>Floratech</b>	4.50
	Arlacel 60	Sorbitan Stearate	Uniqema	0.40
D.	Dermaxyl <sup>®</sup>	C12-15 Alkyl Benzoate (and) Tribehenin (and) Ceramide 2 (and) PEG-10 Rapeseed Sterol (and) Palmitoyl Oligopeptide	Sederma	2.00
E.	Sodium Benzoate NF	Sodium Benzoate	American Int'l Chem.	0.10
F.	Deionized Water	Water		Q.S.
	<b>Floraesters K-20W Jojoba</b>	<b>Hydrolyzed Jojoba Esters (and) Water (Aqua)</b>	<b>Floratech</b>	4.00
G.	Deionized Water	Water		5.00
	<b>Florasolvs PEG-150 Hydrogenated Jojoba</b>	<b>Jojoba Oil PEG-150 Esters</b>	<b>Floratech</b>	1.00
			<b>TOTAL</b>	<b>100.0</b>

### Mixing Procedure:

- Sift the Ultrez 10 polymer into the water, with stirring, at room temperature. Allow 20 minutes mix time for the polymer to hydrate. Heat the solution to 70°C with mixing.
- Disperse the preservative of Phase B in the Glycerin and heat the mixture to 70°C. Add Phase B to Phase A with mixing.
- Add all components of Phase C together and heat to 70°C with stirring.
- Melt Phase D at 85°C. Add this material to Phase C mixture and stir until uniform. With rapid propeller mixing, add Phase CD to Phase AB.
- Add Sodium Benzoate of Phase E to the mixture with stirring. Move mixture to the homogenizer and agitate until a smooth cream is formed.
- Dissolve Floraesters K-20W in the water of Phase F and add to mixture while using homogenizer to blend the formula.
- Dissolve PEG-150 Hydrogenated Jojoba in the water of Phase G at 70°C. Add this solution to the mixture while using the homogenizer to blend the formula. Cool the mixture to room temperature and put into tubes or jars.

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of their accuracy is made and the products discussed 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.