



Anti-Age Cream with Floraesters

Products Highlighted: Floraesters® 20, Floraesters 30, and Floraesters K-20W® Jojoba



a **Cargill** company

This substantive, skin-conditioning cream shows a reduction in the appearance of fine lines. Floraesters 20 and Floraesters 30 provide natural, oil-free emolliency while Floraesters K-20W Jojoba serves a dual purpose, providing a natural moisture barrier while neutralizing the polymer system. Long-term skin moisturization is achieved with the use of this lotion, resulting in a cream to combat the appearance of fine lines.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	63.40
	Carbopol® Ultrez 10 Polymer	Carbomer	The Lubrizol Corporation	0.25
	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co	3.50
	Preservative ^{1,2}	-----	-----	q.s.
B.	Brij® S10	Steareth-10	Croda International	1.50
	Crodafos CES	Cetearyl Alcohol (and) Dicetyl Phosphate (and) Ceteth-10 Phosphate	Croda International	3.50
	Xiameter® PMX-200 Silicone Fluid 10cs	Dimethicone	Dow Corning Corporation	2.00
	Floraesters 20	Jojoba Esters	Florotech	1.50
	Floraesters 30	Jojoba Esters	Florotech	4.50
C.	Span® 60	Sorbitan Stearate	Croda International	0.40
	Preservative ³	-----	-----	q.s.
D.	Deionized Water	Water	-----	q.s.
	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Florotech	4.00
E.	Deionized Water	Water	-----	5.00
	Florasolv® PEG-150 Hydrogenated Jojoba	Jojoba Oil PEG-150 Esters	The HallStar Company	1.00
Total				100.00

Mixing Procedure

- Place the Carbopol Ultrez 10 Polymer into the deionized water at room temperature. Allow the Carbopol Ultrez 10 Polymer to completely hydrate. Heat the solution to 70°C with moderate propeller agitation.
- Disperse the preservative in the Glycerine 99.7% USP Kosher and heat the mixture to 70°C. Add this to Phase A with moderate propeller agitation.
- Mix all components of Phase B together and heat to 70°C. With rapid propeller agitation, add Phase B to Phase A to form an emulsion.
- Add Phase C to Phase AB with rapid propeller agitation.³ Mix until a smooth cream is formed.
- Disperse the Floraesters K-20W Jojoba in the deionized water of Phase D and add to Phase ABC with rapid propeller agitation.
- Dissolve the Florasolv PEG-150 Hydrogenated Jojoba in the deionized water of Phase E at 70°C. Add Phase E to Phase ABCD with moderate propeller agitation. Cool the mixture to room temperature and put into tubes or jars.

¹ Preservative: Microcare® MHB [INCI: Methylparaben] supplied by Thor Specialties Ltd.

² Preservative: Microcare® OHB [INCI: Propylparaben] supplied by Thor Specialties Ltd.

³ Preservative: Sodium Benzoate NF-FCC Dense [INCI: Sodium Benzoate] supplied by American International Chemical

Typical Properties: pH: 4 - 5
Viscosity: ≥ 120,770cP

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)