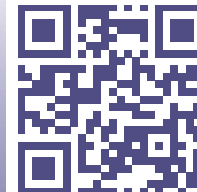




# Low Foam Face Cleanser

Products Highlighted: Florasun® 90, Floraesters K-20W® Jojoba



a Cargill company

This sulfate-free, high oil content, low foam face wash utilizes Floratech emollients to moisturize the skin during cleansing. Floraesters® K-20W Jojoba provides skin hydration, enhanced by the unique synergy of Floraesters K-20W Jojoba and glycerin (ref. CS09-014<sup>1</sup>), leaving a silky-smooth skin feel. Florasun 90 provides superior oxidative stability, combating rancidity issues in the formulation.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	Natrlquest® E30	Trisodium Ethylenediamine Disuccinate	Innospec Performance Chemicals	0.50
	Keltrol® CG-T	Xanthan Gum	CP Kelco	0.40
	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co.	2.25
B.	Iselux® SLC <sup>2</sup>	Water (and) Sodium Lauroyl Methyl Isethionate (and) Sodium Lauroamphoacetate (and) Cocamide MIPA	Innospec Performance Chemicals	40.00
C.	<b>Florasun 90</b>	<b>Helianthus Annuus (Sunflower) Seed Oil</b>	<b>Floritech</b>	<b>10.00</b>
	Activsoft C-17	Guar Hydroxypropyltrimonium Chloride	Innospec Performance Chemicals	0.35
D.	Citric Acid, USP (30% Solution)	Citric Acid (and) Water	Archer Daniels Midland Co.	0.13
	<b>Floraesters K-20W Jojoba</b>	<b>Hydrolyzed Jojoba Esters (and) Water (Aqua)</b>	<b>Floritech</b>	<b>0.75</b>
	Symsave® H Preservative <sup>3</sup>	Hydroxyacetophenone	Symrise GMBH & Co.	0.20
	Fragrance <sup>4</sup>	-----	-----	q.s.
	Sodium Chloride BioXtra, ≥99.5% (AT)	Sodium Chloride	Sigma-Aldrich, Inc.	3.00
	Citric Acid, USP (30% Solution)	Citric Acid (and) Water	Archer Daniels Midland Co.	q.s.
<b>Total</b>				<b>100.00</b>

## Mixing Procedure

- Mix the Natrlquest E30 with the deionized water of Phase A in the main vessel with moderate propeller agitation at room temperature.
- In a separate vessel, combine the Keltrol CG-T with the Glycerine 99.7% USP Kosher. Add to the main vessel with moderate propeller agitation at room temperature. Mix until uniform.
- Add Phase B to Phase A with moderate propeller agitation at room temperature and mix until uniform.
- In a separate vessel, combine the ingredients of Phase C with moderate propeller agitation at room temperature. Mix until uniform.
- Add Phase C to Phase AB with moderate propeller agitation at room temperature. Mix until uniform.
- Add the ingredients of Phase D to Phase ABC in the order listed. Mix with moderate propeller agitation until uniform at room temperature.

<sup>1</sup> Floratech Claim Sheet CS09-014: Increased Skin Hydration with K-20W Jojoba Plus Glycerin

<sup>2</sup> Water (and) Sodium Lauroyl Methyl Isethionate (and) Sodium Lauroamphoacetate (and) Cocamide MIPA can be blended and used as an alternative to Iselux SLC.

<sup>3</sup> Preservative: Bronidox® 1160 [INCI:Phenoxyethanol] supplied by BASF Corporation

<sup>4</sup> Fragrance: Almond Cream Fragrance ORC1701976 [INCI: Fragrance] supplied by Orchidia Fragrances

Typical Properties: pH: 5 - 6  
Viscosity: 50 - 80kCP

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)