



PEG-Free Body Wash Featuring Floraesters K-20W Jojoba



a **Cargill** company

Products Highlighted: *Floraesters K-20W[®] Jojoba and Florabeads[®] Jojoba*

Floraesters[®] K-20W Jojoba plays a dual role in this unique body wash. First, it is a naturally derived neutralizer for the polymer system. Second, it imparts an unmistakable skin feel after use that is substantive, moisturizing, and smooth to the touch. The Florabeads provide a visual effect and add a gentle exfoliating experience with residual jojoba emolliency.

Mixing Procedure

1. Mix all ingredients of Phase A with moderate to rapid propeller agitation while heating to 70°C. Add the Carbopol Aqua SF-1 Polymer slowly to the mixing vessel to ensure proper mixing.
2. Mix all components of Phase B at room temperature. Slowly add Phase B (to ensure proper neutralization of the polymer) to Phase A at 70°C and mix until uniform.
3. Begin cooling to 50°C. Add ingredients of Phase C with moderate propeller agitation at 45-50°C. Cool to room temperature and add the Florabeads Jojoba 28/60 Jade of Phase D with slow, sweep agitation.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	Quatrisoft [®] Polymer LM-200	Polyquaternium-24	The Dow Chemical Co.	0.10
	Taurano [®] I-78	Sodium Cocoyl Isethionate	Innospec Performance Chemicals	4.70
	Standapol [®] ES-2	Sodium Laureth Sulfate	BASF Corporation	20.20
	Carbopol [®] Aqua SF-1 Polymer	Acrylates Copolymer	The Lubrizol Corporation	7.00
	Plantaren [®] 2000 N UP	Decyl Glucoside	BASF Corporation	15.10
	Lexaine [®] C	Cocamidopropyl Betaine	Inolex	10.20
B.	Deionized Water	Water	-----	q.s.
	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co.	0.50
	Sulfochem [®] AEG Surfactant Blend	Ammonium Lauryl Sulfate (and) Ammonium Laureth Sulfate (and) Cocamidopropyl Betaine (and) Cocamide DEA (and) Lauramide DEA	The Lubrizol Corporation	4.00
	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Floratech	5.30
C.	Preservative ¹	-----	-----	q.s.
	Fragrance	-----	-----	q.s.
D.	Florabeads Jojoba 28/60 Jade²	Jojoba Esters	Floratech	1.70
Total				100.00

¹ Preservative: Kathon[®] CG [INCI: Methylchloroisothiazolinone (and) Methylisothiazolinone] supplied by The Dow Chemical Co.

² Any color or combination of colors may be used.

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)