



Body Wash - Relax

Products Highlighted: *Floraesters K-20W® Jojoba, Florapearls® Jojoba STD, and Florabeads® Jojoba*



a **Cargill** company

The combination of neutralized fatty acids and Floraesters® K-20W Jojoba in this body wash creates a dense, smooth foam which leaves the skin feeling moisturized, luxurious, and clean. The versatile Florapearls Jojoba and Florabeads Jojoba provide gentle exfoliation and are offered in an array of color options.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Propylene Glycol USP/EP	Propylene Glycol	Ashland	10.00
	NAA®-122	Lauric Acid	NOF America Corporation	7.00
	NAA®-142	Myristic Acid	NOF America Corporation	3.00
	NAA®-160	Palmitic Acid	NOF America Corporation	1.00
	Oleic Acid P	Oleic Acid	NOF America Corporation	1.00
	Deionized Water	Water	-----	10.00
B.	Potassium Hydroxide (85%)	Potassium Hydroxide	Tokyo Chemical Industry, Co.	3.50
	Deionized Water	Water	-----	4.00
	Deionized Water	Water	-----	1.00
C.	Tohol N-220XM	Cocamide DEA (and) Diethanolamine	Toho Chemical Industry Co., Ltd.	5.00
	Alscop NS-230	Sodium Laureth Sulfate	Toho Chemical Industry Co., Ltd.	4.00
	Obazolin CAB-30	Cocamido Propyl Betaine	Toho Chemical Industry Co., Ltd.	6.00
	Emanon® 3201-M	Glycol Distearate	Kao Corporation	1.00
D.	Deionized Water	Water	-----	15.00
	Chelest 2D-SD	Tetrasodium EDTA	Chubu Chelest	0.10
	Carbopol® Aqua SF-1 Polymer	Acrylates Copolymer	The Lubrizol Corporation	13.00
E.	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Florotech	3.00
	Deionized Water	Water	-----	3.00
	Potassium Hydroxide (85%)	Potassium Hydroxide	Tokyo Chemical Industry, Co.	0.80
	Deionized Water	Water	-----	2.00
	Deionized Water	Water	-----	0.90
F.	Fragrance	-----	-----	q.s.
	Deionized Water	Water	-----	q.s.
G.	Florapearls Jojoba STD White (Natural)¹	Jojoba Esters	Florotech	2.00
	Florapearls Jojoba STD Tequila Sunrise¹	Jojoba Esters	Florotech	1.00
	Florabeads Jojoba 28/60 Desert Rose¹	Jojoba Esters	Florotech	1.00
	Florabeads Jojoba 28/60 White (Natural)¹	Jojoba Esters	Florotech	1.00
Total				100.00

Mixing Procedure

- Heat the Propylene Glycol, USP/EP to 65-70°C with stirring. Add remaining ingredients of Phase A in the order listed with stirring until fully dissolved.
- Dissolve the Potassium Hydroxide (85%) in the first deionized water listed in Phase B. Slowly add this solution to Phase A at 70-75°C with stirring to neutralize the fatty acids. Rinse the container with deionized water listed in Phase B. Add the ingredients of Phase C in the order listed to Phase AB at 60-65°C.
- Create a pre-mix of Phase D by adding the ingredients in the order listed. Slowly add Phase D to Phase ABC. Allow mixing time for the polymer to disperse completely in solution.
- Mix the Floraesters K-20W Jojoba in the first deionized water listed in Phase E. Add this pre-mix slowly to Phase ABCD at a mix temperature of 60-65°C. Pre-mix the Potassium Hydroxide (85%) in the second deionized water listed in Phase E. Use this pre-mix to finish neutralizing the Carbopol Aqua SF-1 Polymer by adding it very slowly to Phase ABCD. Use the final deionized water listed in Phase E to rinse the neutralization containers into Phase ABCD.
- Add the fragrance of Phase F to Phase ABCDE at a mix temperature of 60-65°C. Use the deionized water listed in Phase F to bring the batch weight up to the 100% theoretical weight amount at this point in the procedure.
- Cool the batch to room temperature. Determine the pH and viscosity of the batch before adding Phase G. Add Phase G to the mixture with hand sweep agitation to complete the formula.

¹ 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)