



Body Wash - Relax

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

Florapearls Jojoba and Florabeads Jojoba provide exfoliation in this formula. The combination of neutralized fatty acids, and Floraesters K-20W Jojoba create a smooth and dense foam which leaves the skin feeling moisturized and clean.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt./wt.
A.	Propylene Glycol, USP	Propylene Glycol	The Dow Chemical Co.	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 Ohka Kogyo, Co.	3.50
	Deionized Water	Water	-----	4.00
	Deionized Water	Water	-----	1.00
C.	Tohol N-220XM	Cocamide DEA (and) Diethanolamine	Toho Chemicals	5.00
	Alscop NS-230	Sodium Laureth Sulfate	Toho Chemicals	4.00
	Obazolin CAB-30	Cocamido Propyl Betaine	Toho Chemicals	6.00
	Emanon® 3201-M	Glycol Distearate	Kao Corporation	1.00
D.	Deionized Water	Water	-----	15.00
	EDTA-4Na	Tetrasodium EDTA	Tokyo Kasei Kogyo, Co.	0.10
	Carbopol® Aqua SF-1 Polymer	Acrylates Copolymer	Lubrizol Corporation*	13.00
E.	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Floratech	3.00
	Deionized Water	Water	-----	3.00
	Potassium Hydroxide (85%)	Potassium Hydroxide	Tokyo Ohka Kogyo, Co.	0.80
	Deionized Water	Water	-----	2.00
	Deionized Water	Water	-----	0.90
F.	Fragrance	Fragrance	----- ¹	q.s.
	Deionized Water	Water	-----	q.s.
G.	Florapearls Jojoba White STD	Jojoba Esters	Floratech	2.00
	Florapearls Jojoba Tequila Sunrise STD	Jojoba Esters (and) Red 30 (and) Talc (and) Iron Oxides	Floratech	1.00
	Florabeads Jojoba Desert Rose 28/60	Jojoba Esters (and) Ferri Ferrocyanide (and) Red 30 (and) Talc	Floratech	1.00
	Florabeads Jojoba White 28/60	Jojoba Esters	Floratech	1.00
TOTAL				100.00

Mixing Procedure

1. Heat Propylene Glycol, USP to 65-70°C with stirring. Add remaining ingredients of Phase A in the order listed with stirring until fully dissolved.
2. 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.
3. 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.
4. 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.
5. 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.
6. Cool the batch to room temperature. Determine the pH and viscosity of the batch before adding Phase G. Then, add Phase G to the mixture with hand sweep mixing to complete the formula.

* Supplied by Essential Ingredients

¹ Ikeda Corporation

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 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 or in the treatment, prevention, or cure of any medical condition. (Cleared for Public Disclosure).

Date Originated: January 2006

Revision Date: August 2009
File Name: C019f - Body Wash - Relax.doc