

# BODY WASH - FRESH

with Floraesters K-20W<sup>®</sup> Jojoba,  
Florabeads<sup>®</sup> Jojoba, and Florapearls<sup>®</sup>  
Jojoba STD



**Florapearls Jojoba** and **Florabeads Jojoba** create a visual impact while providing gentle exfoliation in this foaming wash. The combination of neutralized fatty acids and **Floraesters K-20W Jojoba** creates a smooth, dense foam which leaves the skin feeling clean, fresh, and moisturized.

Phase	Trade Name	INCI	Supplier	%WT
A	Propylene Glycol USP/EP	Propylene Glycol	Ashland	10.00
	NAA <sup>®</sup> -122	Lauric Acid	NOF America Corporation	7.00
	NAA <sup>®</sup> -142	Myristic Acid	NOF America Corporation	3.00
	NAA <sup>®</sup> -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	-----	5.00
C	Promidium <sup>®</sup> CO-LQ-(AP)	PPG-2 Hydroxyethyl Cocamide	Croda International	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
D	Deionized Water	Water	-----	17.00
	Chelest 2D-SD	Tetrasodium EDTA	Chubu Chelest	0.10
	Carbopol <sup>®</sup> Aqua SF-1 Polymer	Acrylates Copolymer	The Lubrizol Corporation	13.00
E	<b>Floraesters K-20W Jojoba</b>	<b>Hydrolyzed Jojoba Esters (and) Water (Aqua)</b>	<b>Cargill Beauty</b>	<b>3.00</b>
	Deionized Water	Water	-----	q.s.
	Potassium Hydroxide (85%)	Potassium Hydroxide	Tokyo Chemical Industry, Co.	1.05
	Deionized Water	Water	-----	3.00
F	Fragrance <sup>1</sup>	-----	-----	q.s.
G	<b>Florabeads Jojoba 28/60 White (Natural)<sup>2</sup></b>	<b>Jojoba Esters</b>	<b>Cargill Beauty</b>	<b>1.00</b>
	<b>Florapearls Jojoba STD Evergreen<sup>2</sup></b>	<b>Jojoba Esters</b>	<b>Cargill Beauty</b>	<b>1.00</b>

<sup>1</sup> Fragrance: Concentration for Bodysoap 05126 [INCI: Fragrance] supplied by Innovation Corporation

<sup>2</sup> Any color or combination of colors may be used.

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## PROCESS

1. 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.
2. Dissolve the Potassium Hydroxide (85%) in the deionized water listed in Phase B. Slowly add this solution to Phase A at 70-75°C with stirring to neutralize fatty acids.
3. Add the ingredients of Phase C to Phase AB in the order listed at 60-65°C.
4. 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.
5. 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.
6. Start cooling the batch to room temperature. Add the fragrance of Phase F to Phase ABCDE at a mix temperature of 40-45°C. Determine the pH and viscosity of the mixture before adding Phase G with hand sweep agitation to complete the formula.

## CHARACTERISTICS

- pH: 8 - 9
- Viscosity: 35,600 - 38,120cP

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**PATENTS AND REGULATIONS** The information presented herein is intended to illustrate the possible technical applications of our products. However, since the use of this information and our products is beyond our control, any recommendations or suggestions are made without guarantee of warranty in each country and particularly in the absence of patent rights. In addition, we recommend that the user ensures that this product is in compliance with the local regulations in force, particularly in the country where the finished product is to be consumed. It is the responsibility of the user to comply with the patents and the regulations in force.

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