



# Body Wash - Fresh

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



a **Cargill** company

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/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	-----	5.00
C.	Promidium® CO-LQ-(AP)	PPG-2 Hydroxyethyl Cocamide	Croda International	5.00
	Alscopec 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® 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>Floratech</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>Floratech</b>	<b>1.00</b>
	<b>Florapearls Jojoba STD Evergreen<sup>2</sup></b>	<b>Jojoba Esters</b>	<b>Floratech</b>	<b>1.00</b>
<b>Total</b>				<b>100.00</b>

## 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 deionized water listed in Phase B. Slowly add this solution to Phase A at 70-75°C with stirring to neutralize fatty acids.
- Add the ingredients of Phase C to Phase AB in the order listed 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.
- 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.

<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.

**Typical Properties:** pH: 8 - 9  
Viscosity: 35,600 - 38,120

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)