



Smoothing Foot Scrub

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



This smoothing foot scrub contains spherical Florabeads Jojoba which provide gentle exfoliation and residual jojoba emolliency while Floraesters® K-20W Jojoba provides a moisture barrier to hydrate rough and dry skin.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	Carbopol® Ultrez 20 Polymer	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	The Lubrizol Corporation	1.10
	Versene® Na2 Crystals	Disodium EDTA	The Dow Chemical Co.	0.05
B.	1,3-Butylene Glycol	Butylene Glycol	Celanese Chemicals	2.00
	Propylene Glycol USP/EP Preservative	Propylene Glycol	Ashland, Inc.	1.00
		-----	-----	q.s.
C.	Standapol® ES-2	Sodium Laureth Sulfate	BASF Corporation	25.00
	Tween® 20	Polysorbate 20	Croda, Inc.	1.50
	Lexaine® C	Cocamidopropyl Betaine	Inolex Chemical Co.	2.00
D.	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Floritech	8.00
	Glycerox 767	PEG-6 Caprylic/Capric Castor Oil	Croda, Inc.	1.50
E.	Fragrance	-----	-----	q.s.
	Tween® 20	Polysorbate 20	Croda, Inc.	1.00
	Florabeads Jojoba 60/100 White (Natural)¹	Jojoba Esters	Floritech	4.00
	Pumice	Pumice	Charles B. Chrystal Co., Inc	8.00
Total				100.00

Mixing Procedure

1. Combine the Carbopol Ultrez 20 Polymer with the deionized water. Start mixing with moderate propeller agitation after hydrated. Heat to 50°C and add the Versene Na2 Crystals with moderate propeller agitation.
2. Combine the ingredients of Phase B and warm to 45°C with moderate propeller agitation until the preservative has dissolved. Slowly add Phase B to Phase A. Cool Phase AB to 35°C.
3. Combine the ingredients of Phase C at room temperature with low propeller agitation. Slowly add Phase C to Phase AB with low to moderate propeller agitation. Mix until the mixture is uniform.
4. Neutralize Phase ABC by using the Floraesters K-20W Jojoba premixed with the Glycerox 767 of Phase D with low to moderate sweep agitation. Add the fragrance premixed with the Tween 20 in Phase E with low sweep agitation. Cool to room temperature. Add the remaining ingredients in Phase E with low sweep agitation.

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 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)