



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) | Floratech | 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 | Floratech | 4.00 |
| | Pumice | Pumice | Charles B. Chrystal Co., Inc | 8.00 |
| Total | | | | 100.00 |

Mixing Procedure

- 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.
- 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.
- 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.
- 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, 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)