

Gentle Benzoyl Peroxide Treatment Scrub with **Lysofix™ Liquid**, & **XFoliPEARL™ CC10**

Formulation: KPC/ PD14007.10A

Phases	Ingredients	% w/w
A	Water	69.26
A2	Glycerin	3.00
	Xanthan Gum	0.70
A3	Disodium Laureth Sulphosuccinate (32%)	3.00
A4	Benzoyl Peroxide (98%) ¹	3.64
	Sodium Citrate Dihydrate	0.50
	Propylene Glycol	4.00
B	Stearic Acid	2.00
	Cetearyl Alcohol	4.00
	Cetearyl Alcohol (and) Ceteth-20 Phosphate (and) Dicapryl Phosphate ²	3.00
	Lysofix™ Liquid - Glycerin (and) Glycine soja (Soybean) Seed Extract	0.80
C	Dimethicone	1.00
D	Methylisothiazolinone ³	0.10
E	XFoliPEARL™ CC10 - Hydrogenated Castor Oil (and) Euphorbia Cerifera (Candelilla) Wax	5.00

Total: 100

Bold denotes products available from Kemin.

¹Luperox® A98 - Sigma Aldrich ²Crodafos™ CS20 - Croda ³Neolone 950 - Dow

Manufacturing Process:

1. Weigh Phase A in main beaker and homogenize A2 for 30 minutes.
2. Add A3 and A4 and heat to 82°C.
3. Heat Phase B to 82°C, then add B2.
4. Emulsify by adding heated Phase B to Phase A, and homogenizing for 20 minutes.
5. At 60°C, add C to main phase and switch to sweep mixing.
6. At 45°C, add Phase D and let mix.
7. Add Phase E and mix until cool and uniform.

Characteristics:

Appearance:	Gentle foaming creamy scrub with beads
Color:	White
Odor:	Typical
pH:	4.5 ± 0.5
Viscosity:	Between 5000 to 10,000 cP
Centrifuge:	No separation at RT and 40°C

Emulsion Stability:

Results to date:

- Emulsion and BPO stable for 1 month at 50°C
- Emulsion and BPO stable for 3 month at 45°C

Expiration:

Two years from date of manufacturing

All information, recommendations, and suggestions in this formulation concerning the use of the products described herein are based upon present knowledge, experience, tests and data to be reliable. It is the customer's responsibility to thoroughly test the formulation, or any variation of it, to determine suitability for the customer's own use. The actual use of products produced by Kemin Industries, Inc. (Kemin) by the customer or others is beyond Kemin's control. No guarantee, express or implied, is made by Kemin as to the effects of such use or the results to be obtained. No warranty of any kind, express or implied, is made by Kemin except that the products sold hereunder shall be of merchantable quality, and conform to relevant specifications and relevant customer shall assume all risks and liability for results of use by the customer or third parties of the products, including use by the customer of such products in combination with other products. For the complete disclaimer please see www.kemin.com/personalcare/formulations.



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