

Creamy facial cleanser—soap-free, neutral-pH facial cleanser with sustainably produced Eastman GEM™ 2-ethylhexyl palmitate

Part	Ingredient/INCI name	Wt%	Product name	Suggested manufacturer
A	Water	65.3	Deionized water from filter	—
B	Ethylhexyl palmitate	15.0	Eastman GEM™ 2-ethylhexyl palmitate	Eastman
	Glycerin	10.0	Glycerine 99.7%	Acme-Hardesty Chemical
	Simmondsia chinensis (jojoba) seed oil	5.0	DW Jojoba, colorless	Vantage Specialty Ingredients Inc.
	Glyceryl stearate, PEG-100 stearate	3.0	Emulse 165	Essential Ingredients
C	Carbomer	0.2	Carbopol® Ultrez 10 Polymer	The Lubrizol Corporation
	Sodium hydroxide	0.5	Sodium hydroxide	The Dow Chemical Company
D	Caprylyl glycol, ethylhexylglycerin	1.0	Sensiva® SC 10	Schülke Inc.
	Fragrance	q.s.	Fragrance	White Barn Candle Co.

Procedure

1. Set the temperature of a hot plate to 50°C.
 2. Heat part A in a beaker on the hot plate.
 3. Melt/mix part B ingredients in a separate beaker on the hot plate. Blend the mixture by hand.
 4. Add part B to part A under 500 rpm.
5. Stop heating.
 6. While stirring, add part C to the mixture.
 7. Cool to room temperature while stirring.
 8. Add part D to the mixture. Continue stirring for another 10 minutes.

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