



Phoenix Skin and Bath Products

FRUGAL FOAM

(ARL-20-20-04A)

This foam producing facial cleanser utilizes Phoenomulse CE-4 for a creamy texture and dense cushion of foamy cleansing power.

PHASE A	%W/W
Deionized Water(Water)	32.15
Sulfochem ES-1(Sodium Laureth Sulfate) Lubrizol	15.00
Stepanol WA-Extra (Sodium Lauryl Sulfate) Stephan	5.00
PECOSIL PS-112 (Dimethicone PEG-7 Phosphate) PHOENIX CHEMICAL, INC	2.00
PHASE B	
Deionized Water (Water)	30.00
Farmal 2656 HFCS (Hydrolyzed Corn Starch) Corn Products	2.00
Gelcarin PC 379 Chondrus Crispus (Carrageenan) Earth Supplied Products	1.25
PHASE C	
Euxyl K-100 (Benzyl Alcohol (and) Methylchloroisothiazolinone (and) Methylisothiazolinone) Schulke & Mayr	0.10
PHASE D	
PHOENOMULSE CE-4 (Water (and) Decafluoropentane (and) Polyhydroxystearic acid (and) Sodium Cocamidopropyl PG-Dimonium Chloride Phosphate (and) Isononyl Isononanoate(and) Ethylhexyl Isononanoate) PHOENIX CHEMICAL, INC	12.50
TOTAL	100.00

PROCEDURE

PHASE A: Charge all ingredients into a separate container. Holding temperature at 25°C., mix at slow/medium speed with wide, single or double prop shaft making sure no foam is generated. Mix till uniform and start heating to 75-80°C.

PHASE B: Charge the water and corn syrup of phase B into the main container. While mixing begin to heat and hold temperature at 75-80°C. Add the carrageenan slowly. Continue mixing at medium/fast speed for 25-30 minutes or until mixture is homogenous and carrageenan is fully hydrated. Add Phase A to Phase B. Start cooling to 40-45°C while mixing at slow/medium speed.

PHASE C: Add the preservative to Phases AB while slow/medium mixing at 40-45°C with a prop mixer. Mix until uniform and switch to side-sweep blade. Cool batch to 15-25°C. Adjust pH of ABC to a pH of 5 before adding PHASE D.

PHASE D: (Make sure Phoenomulse CE-4 has been stirred well to ensure homogeneity) While side-sweeping, add PHASE D to PHASE ABC while mixing slowly trying not to incorporate air into the product. Transfer batch into selected containers minimizing the head space as much as possible. Close containers immediately after the transfer. Store packages in cool area.

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FEATURED INGREDIENTS	FUNCTION
PHOENOMULSE™ CE-4	Foaming Agent, Foam Burst Technology
PECOSIL PS-112	Foam Stabilizer/Anti-Irritant

SPECIFICATIONS

Viscosity: @25C/24hrs (LV#4, 6rpm, 1 min)

15,000-30,000cps

pH:@25C/24hrs

5.0-6.0