



Zemea® Creamy Facial Cleanser

This room temperature process cleanser features naturally-derived, mild and biodegradable powder acyl-amino acid surfactants used in conjunction with glycerin and propanediol to produce a light and airy cream cleanser form. Its silky foam and creamy lather produce a great face wash; the after-feel of the skin is conditioned and soft to the touch.

Phase	Ingredient	INCI Name	Supplier	Function	Wt. %
A ₁	Vanzan NF-C	Xanthan gum	RT Vanderbilt	Rheology modifier, stability	0.25%
A ₂	Dionized water	Aqua		Diluent	qs to 100%
A ₃	Zemea® Propanediol	Propanediol	DuPont Tate and Lyle	Solubility adjustment for surfactants /humectancy	10.00%
A ₄	Glycerin	Glycerin		Solubility adjustment for surfactants /humectancy	22.00%
B ₁	Amisoft MS-11(F)	Sodium Myristoyl Glutamate	Ajinomoto USA, Inc	Primary surfactant/ cleansing	15.00%
B ₂	Amlisoft CS-11(F)	Sodium Cocoyl Glutamate	Ajinomoto USA, Inc	Secondary surfactant/ cleansing	3.00%
B ₃	Amlisoft LS-11(F)	Sodium Lauroyl Glutamate	Ajinomoto USA, Inc	Secondary co-surfactant/ cleansing	2.00%
C ₁	Plantaren 1200N	Lauryl Glucoside	Cognis	Tertiary surfactant, fragrance solubilization	1.50%
C ₂	Clementine CO ₂ essential oil	Clementine essential oil	Eden Botanicals	Natural fragrance	0.50%
D ₁	Stepan GCC	Glyceryl Caprylate / Caprate	Stepan	Fragrance solubilization	1.00%
E ₁	Euxyl PE9010	Phenoxyethanol, Ethylhexyl Glycerin	Schillke & Mayr	Preservative	1.00%
	Total				100.00%

Procedure

1. Combine Phase A with mixing at room temperature until the gum is well hydrated, slowly add Phase B.
2. Mix Phase C together, combine with Phase D, and add to the rest of the batch.
3. Add Phase E, pH as is: 6.5. Viscosity: 2.464 mPa's @20rpm, spindle #3, 25°C, 10 sec.

Prototype formula# ASC 18-36-1 provided by Ajinomoto USA, Inc., Fort Lee, New Jersey 07024.

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