COVATION BIO|PDO
zemea®

Formulation sheet

Zemea® creamy facial cleanser

Description

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	Vanzan NF-C	Xanthan gum	RT Vanderbilt	Rheology modifier, stability	0.25%
	Deionized water	Aqua	—	Diluent	qs to 100%
	Zemea® propanediol	**Propanediol**	**CovationBio PDO**	**Solubility adjustment for surfactants/humectancy**	**10.00%**
	Glycerin	Glycerin	—	Solubility adjustment for surfactants/humectancy	22.00%
B	Amisoft MS-11(F)	Sodium myristoyl glutamate	Ajinomoto USA, Inc	Primary surfactant/cleansing	15.00%
	Amisoft CS-11(F)	Sodium cocoyl glutamate	Ajinomoto USA, Inc	Secondary surfactant/ cleansing	3.00%
	Amisoft LS-11(F)	Sodium lauroyl glutamate	Ajinomoto USA, Inc	Secondary co-surfactant/ cleansing	2.00%
C	Plantaren 1200N	Lauryl glucoside	Cognis	Tertiary surfactant, fragrance solubilization	1.50%
	Clementine CO_2 essential oil	Clementine essential oil	Eden Botanicals	Natural fragrance	0.50%
D	Stepan GCC	Glyceryl caprylate/caprate	Stepan	Fragrance solubilization	1.00%
E	Euxyl PE9010	Phenoxyethanol, ethylhexyl glycerin	Schillke & Mayr	Preservative	1.00%
	Total				100.00%

Formula provided by: ACT Solutions Corp., Newark, Delaware, USA

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 mPas @20rpm, spindle #3, 25°C, 10 sec.

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

COVATION BIO|PDO™

For additional information or samples, please contact Customer Service.
198 Blair Bend Drive, Loudon, TN 37774 | Tel: +1-866-404-7933 | CovationBioPDO.com