



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%
В	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%
С	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.
- 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.

For additional information or samples, please contact Customer Service.

198 Blair Bend Drive, Loudon, TN 37774 | Tel: +1-866-404-7933 | CovationBioPDO.com

Zemea® is a registered trademark of Primient Covation LLC for its brand of bio-based propanediol marketed under the name CovationBio[®] PDO. Copyright © 2023 Primient Covation LLC. All rights reserved. COV23_2301-0256_3-8473 (3/23)

This technical product information is presented in good faith and is believed to be accurate and reliable as of the date of publication. Primient Covation LLC makes no guarantee or warranty of any kind, expressed or implied, regarding the product or information contained herein. Purchaser assumes all risk and liability in acting on the information provided herein. It is the sole responsibility of the Purchaser to determine whether Zemea[®] propanediol is appropriate and suitable for the Purchaser's specific use and, as required, to obtain approval by appropriate regulatory authorities for such use. Statements concerning the use of Zemea[®] propanediol are not to be construed as recommendations, suggestions, or inducements to use it in the infringement of any patent or in violation of any applicable laws or regulations. Primient Covation LLC disclaims any liability for infringement of any patent by reason of customer's use of any products or information contained herein in combination with other materials or in any process.