

Zemea®\* the Natural Choice...  
Purity and Renewable Performance



Zemea®  
renewably sourced™ propanediol

## Zemea® Natural Skin Cream With Vanatural® XGB

PHASE	TRADE NAME	SUPPLIER	INCI NAME	%
A	Vanatural® XGB Bentonite Clay	R.T. Vanderbilt Company, Inc.	Bentonite and Xanthan Gum	3.00
	Surfhope® SE Cosme C -1811	Arch Personal Care Products	Sucrose Stearate	1.25
	Tech-O® #11-070 Oat Flour	Beacon CMP Corporation	Avena Sativa (Oat) Kernal Flour	1.00
	Water			81.75
B	<b>Zemea® Propanediol</b>	<b>DuPont Tate &amp; Lyle</b>	<b>Propanediol</b>	<b>5.00</b>
C	Wheat Germ Oil	Desert Whale Jojoba Co.	Triticum Vulgare (Wheat) Germ Oil	5.00
	Cetearyl Alcohol			3.00
D	Preservative			q.s.

### Manufacturing Procedure

- While heating the water to 60-65°C, slowly add the Part A ingredients sequentially or as a dry blend to the water agitated at maximum available shear.
- Mix until the **VANATURAL XGB** is fully hydrated.
- Add Part B, Zemea® propanediol, and mix until uniform.
- Maintain the water phase at 60-65°C.
- Combine the oil phase ingredients in Part C and heat to 60-65°C.
- Add the oil phase to the water phase with good agitation; mix until uniform.
- Avoid incorporating air.
- Cool with mixing; add Part D when the emulsion is <30°C.

**Prototype formula#599 provided by R.T. Vanderbilt Company, Inc., Tel: 1-800-243-6064.**

*Vanatural® is a registered trademark of R. T. Vanderbilt Company, Inc.*

*Surfhope® is a registered trademark of Mitsubishi Chemical.*



For additional information  
or samples, please contact:

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