

# Zemea™\* the Natural Choice...

## Purity and Renewable Performance



**Zemea™**  
renewably sourced™ propanediol

### Skin Care Cream

Anionic Oil-in-Water Emulsion Formulation

PHASE	INGREDIENT	Wt, %
A	Deionized Water	61.34
A	Tetrasodium EDTA	0.10
A	Zemea™ Propanediol	5.00
A	Carbomer 980 (2% solution)	10.00
B	Mineral Oil 65/75	10.00
B	Didecene	5.00
B	Glyceryl Stearate (and)	2.50
B	PEG 100 Stearate	2.50
B	Stearic Acid Triple Pressed	0.50
B	Cetearyl Alcohol	1.00
	Dimethicone DC 200-100	
C	NaOH (20% solution pH 7.0-7.5)	1.06
D	Preservative	1.00

### Procedure

- Combine phase A at 75° C
- Combine phase B at 75° C
- Add phase B to phase A
- Add phase C
- Cool to 40° C and add remaining phases
- Adjust pH to 7.0-7.5 with additional phase C if necessary



**For additional information or samples,  
please contact:**

DuPont Tate & Lyle Bio Products Customer Service

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