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



Clear Sunscreen Spray Gel

PHASE	INGREDIENT	Wτ, %
A	Deionized water	12.5
Α	Carbopol 934	0.5
A	Germaben II	0.05
В	Zemea® Propanediol	5.0
В	Ethanol	20.0
В	PEG monolaurate	1.0
В	Polysorbate 6o	2.0
C	2-Phenyl-5	2.0
	benzimidazolesulfonic acid	
C	Triethanolamine	2.0
C	Deinonized water	25.0
D	Germaben II	0.8
D	Deionized water	Q.S. 100
	Viscosity 114 cps	19
(7)		e.

Benefits of Zemea® Propanediol in Clear Sunscreen Spray Gel

- Natural-derived glycol with no skin irritation or sensitization
- Excellent feel
- Good stablility

Zemea® renewably sourced™propanediol

Procedure

- Prepare gel by stirring components of Phase A for 4 hours at 50°C and 20 hours at room temperature.
- Add the components of Phase B to the mixture of Phase A and mix it until a uniform gel is formed.
- In a separate container take 2-Phenyl-5benzimidazolesulfonic acid, add water and triethanolamine.
- Add Phase C to the mixture of Phase A and B and mix the gel thoroughly.
- Add water and preservative, continue agitation until a clear gel is formed.
- pH should be about 7

For additional information or samples, please contact:

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