



Clear Sunscreen Spray Gel

Phase	Ingredient	Wt. %	Manufacturing Process
A	Deionized water	12.5	<ol style="list-style-type: none">1. Prepare gel by stirring components of Phase A for 4 hours at 50° C and 20 hours at room temperature.2. Add the components of Phase B to the mixture of Phase A and mix it until a uniform gel is formed.3. In a separate container take 2-Phenyl-5-benzimidazolesulfonic acid, add water and triethanolamine.4. Add Phase C to the mixture of Phase A and B and mix the gel thoroughly.5. Add water and preservative, continue agitation until a clear gel is formed.6. pH should be about 7
	Carbopol 934	0.50	
	Germaben II	0.05	
B	Zemea® Propanediol	5.00	
	Ethanol	20.00	
	PEG monolaurate	1.00	
C	Polysorbate 60	2.00	
	2-Phenyl-5 benzimidazolesulfonic acid	2.00	
	Triethanolamine	2.00	
D	Deionized water	25.00	
	Germaben II	0.80	
	Deionized water	qs 100	
	Viscosity 114 cps		

Benefits of Zemea® Propanediol in Clear Sunscreen Spray Gel

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

For additional information or samples:

DuPont Tate & Lyle Bio Products Customer Service

198 Blair Bend Drive
Loudon, TN 37774

Tel: +1-866-404-7933
www.duponttateandlyle.com

