

Formulation Information
Sun Care



Sunscreen: Sun Care Cream

Formulation 00562

ATTRIBUTES

- Control (SPF = 17); compared to CPF formulation 561 with 5562 Carbinol Fluid
- Sun Care Cream

DOW CORNING® PRODUCTS

- DOW CORNING® 2502 COSMETIC FLUID
- DOW CORNING® 5200 FORMULATION AID

XIAMETER® PRODUCTS

- XIAMETER® PMX-0245 CYCLOPENTASILOXANE
- XIAMETER® PMX-200 SILICONE FLUID 5CS

Ingredient	Wt. %	Trade Name/Supplier
Phase A		
1. Dimethicone	7	XIAMETER® PMX-200 SILICONE FLUID 5CS
2. Lauryl PEG/PPG-18/18 Methicone	6	DOW CORNING® 5200 FORMULATION AID
3. Cetyl Dimethicone	3	DOW CORNING® 2502 COSMETIC FLUID
4. Cyclopentasiloxane	6	XIAMETER® PMX-0245 CYCLOPENTASILOXANE
5. Ethylhexyl Methoxycinnamate	7.5	Uvinul MC 80 / BASF Corporation
Phase B		
6. Deionized Water	65.1	
7. Sodium Chloride	2	Sodium Chloride / Fisher Scientific
8. Glycerin	3	Glycerin / Fisher Chemical Company
9. Propylene Glycol (and) Diazolidinyl Urea (and) Methylparaben (and) Propylparaben	0.4	Germaben II / ISP

Procedure

1. Warm ingredient 2 to about 30 degrees C and agitate gently before using.
2. Combine phase A ingredients and mix.
3. Mix phase B ingredients together.
4. Add phase B to phase A very slowly using a separatory funnel. Mix phase A very rapidly using the vessel / blade configuration described in "Silicone Formulations Aids Booklet," Form 25-718A-01. (1000 mL tall beaker, 1376 rpm).
5. The use of a baffled mixing vessel is helpful.

Variations

200 FL 5 CS can be replaced with 5562 CARBINOL FLUID

Stability

Stable through 5 freeze / thaw cycles.

External Reference Material

No external references identified as of this printing.

Dow Corning® Application Patents

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