

Formulation Information
Sun Care



Sunscreen: SPF Enhancement

Formulation 00561

ATTRIBUTES

- Enhanced sun protection (SPF = 23) compared to formulation 562 with 200 Fluid, 5 cSt
- Protection
- Sun care lotion
- SPF Enhancement

DOW CORNING® PRODUCTS

- Dow Corning® 245 FLUID
- Dow Corning® 2502 COSMETIC FLUID
- Dow Corning® 5200 FORMULATION AID
- Dow Corning® 5562 CARBINOL FLUID

Ingredient	Wt. %	Trade Name/Supplier
Phase A		
1. Bis-Hydroxyethoxypropyl Dimethicone	7	Dow Corning® 5562 CARBINOL FLUID
2. Lauryl PEG/PPG-18/18 Methicone	6	Dow Corning® 5200 FORMULATION AID
3. Cetyl Dimethicone	3	Dow Corning® 2502 COSMETIC FLUID
4. Cyclomethicone	6	Dow Corning® 245 FLUID
5. Ethylhexyl Methoxycinnamate	7.5	Uvinul MC 80 / BASF Corporation
Phase B		
6. Deionised 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

- Warm ingredient 2 to about 30 degrees C and agitate gently before using.
- Mix phase A ingredients together.
- Mix phase B ingredients together.
- Add Phase B to Phase A very slowly using a separatory funnel while mixing 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)
- The use of a baffled mixing vessel is helpful.

Variations

5562 CARBINOL FLUID can be replaced with 200 FL 5 CS

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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