

Formulation Information
Sun Care



Silky Smooth Oil-in-Water Sun Screen

Oil-in-Water Sun Cream: Contains natural oil

Formulation 01220

ATTRIBUTES

- Ease of Spreading
- Silky Smooth
- Contains natural oil

DOW CORNING® PRODUCTS

- DOW CORNING® 2502 COSMETIC FLUID
- DOW CORNING® FZ-3196

Ingredient	Wt. %	Trade Name/Supplier
Phase A		
1. Cetyl Dimethicone	2	DOW CORNING® 2502 COSMETIC FLUID
2. Caprylyl Methicone	5	DOW CORNING® FZ-3196
3. Mineral Oil	6	
4. Cetyl Alcohol	2	
5. Glyceryl Stearate SE	1.2	cithrol GMS SE 0802 / Croda, Inc.
6. Ceteareth-20	0.4	Volpo CS20 / Croda, Inc.
7. Stearic Acid	1	
8. Vegetable Oil	2	Cosmodan-20 / ICSC
9. Propylparaben	0.05	Nipasol M / Clariant Corporation
Phase B		
10. Water	58.45	
11. Glycerin	1	
12. Triethanolamine	1	
13. Aloe Vera Gel	0.5	
14. Methylparaben	0.15	Paratexin M / S. Black
15. Aqua (and) Titanium Dioxide (and) Alumina (and) Silica (and) Sodium Polycrylate (and) Propylene Glycol (and) Diazolidinyl Urea (and) Methyl Paraben (and) Propyl Paraben	18.75	Tioveil AQ-G / Uniqema
Phase C		
16. Perfume (choice)	0.3	
Phase D		
17. Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate	0.2	Liquid Germall Plus / ISP Sutton Laboratories
18. citric acid (25% solution in water)	q.s.	

Procedure

1. Heat phase A ingredients to 70-75°C.
2. Heat phase B to 70-75° C.
3. Add phase A to phase B with gentle mixing.
4. Homogenize using a high shear mixer.
5. Cool to 50°C with mixing.

6. Add fragrance.
7. Continue to cool until the temperature has reached 35°C.
8. Add preservative.
9. Adjust pH to 6.5 with Citric Acid.

Variations

Alternative Dow Corning® Products have not been tested as of this printing.

Stability

Stability data for this formulation has not been established.

External Reference Material

No external references identified as of this printing.

Dow Corning® Application Patents

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