

Shade or Shine

For all day UV protection

DOW

®

Daily Shade
(CPF 4224)
O/W facial gel cream



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O/W facial gel cream with refreshing water burst, in-vitro SPF 30

Phase	Trade name / Supplier	INCI name	Wt%
A	Water	Water	q.s.
	Glycerin	Glycerin	3.00
	FD&C Blue 1 Dye (0.01% Solution)	Acid Blue 9	1.75
	D&C Yellow 10 Dye (0.1% Solution)	Acid Yellow 3	1.15
	ACULYN™ 88 Rheology Modifier / Dow	Acrylates/Stearth-20 Methacrylate Crosspolymer	2.00
B	SunSpheres™ PGL Polymer / Dow	Styrene/Acrylates Copolymer	19.61
	Avobenzene / Making Cosmetics	Avobenzene	2.00
	Homosalate / Making Cosmetics	Homosalate	4.00
	Octisalate / Making Cosmetics	Ethylhexyl Salicylate	4.00
	Octocrylene / Making Cosmetics	Octocrylene	2.00
C	XIAMETER™ PMX-200 Silicone Fluid 5 cSt / Dow	Dimethicone	4.00
	DOWSIL™ FZ-3196 Fluid / Dow	Caprylyl Methicone	2.00
	DOWSIL™ 2502 Cosmetic Fluid / Dow	Cetyl Dimethicone	2.00
D	ACULYN™ Siltouch Rheology Modifier / Dow	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) Dimethicone (and) Trideceth-6 (and) PEG/PPG-18/18 Dimethicone	3.00
E	NaOH (10%)	Sodium Hydroxide	q.s.
F	EPITEX™ 99 Polymer / Dow	Acrylates Copolymer (and) Acrylates Polytrimethylsiloxymethacrylate Copolymer	5.08
	Phenoxyethanol SA / Making Cosmetics	Phenoxyethanol (and) Caprylyl Glycol	1.00
	Sea Salt & Coconut UA13707/00 / Givaudan Fragrance	Fragrance	0.20

Procedure:

1. Combine ingredients of phase A while stirring. Mix until homogeneous.
2. Combine ingredients of phase B and heat to 70°C to solubilize the Avobenzene. Cool to ~45°C.
3. Add ingredients of phase C to phase B while mixing.
4. Add phase B/C to phase A while mixing and mix for 5 minutes at high speed.
5. Homogenize for 2 minutes (11,000-13,000 rpm).
6. Add phase D immediately after homogenization step. Stir in gently until formulation thickening is complete.
7. Adjust pH with phase E to 6.5-7.0.
8. Add individual ingredients of phase F under smooth stirring, mixing well between additions. Adjust pH to 6.5-7 if needed.

Disclaimer: Contained in this package is a sample prepared as per the formulation described on this card.
Any variation in the formulation/procedure may cause performance to change.

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