



**DOW**<sup>®</sup>

**Day in the Sun  
UV Protective Tinted BB Cream  
(CPF 4606)**

# Day in the Sun

## UV Protective Tinted BB Cream (CPF 4606)

**Day in the Sun** is an amazing multifunctional cream that gives just about everything it needs for a quick start: broad UV protection (SPF 50+) combined with high spreadability. This tinted mineral sunscreen shields skin from harmful UV rays without a white cast.

Phase	Trade name	Supplier	INCI name	Wt. %
A	FINEX-30S-LPT	Sakai Chemical	Zinc Oxide (and) Hydrogen Dimethicone	15.00
	STR-100A-LP	Sakai Chemical	Titanium Dioxide (and) Hydrated Silica (and) Aluminum Hydroxide (and) Hydrogen Dimethicone	6.00
	<b>DOWSIL™ ES-5700 Formulation Aid</b>	<b>DOW</b>	<b>Cetyl Diglyceryl Tris(Trimethylsiloxy)silylethyl Dimethicone</b>	<b>3.50</b>
	NAI pigment white	Miyoshi	Titanium Dioxide (and) Aluminum Hydroxide (and) Disodium Stearoyl Glutamate	4.00
	NAI pigment Yellow	Miyoshi	Iron Oxide (and) Disodium Stearoyl Glutamate (and) Aluminum Hydroxide	0.50
	NAI pigment Red	Miyoshi	Iron Oxide (and) Disodium Stearoyl Glutamate (and) Aluminum Hydroxide	0.10
	NAI pigment Black	Miyoshi	Iron Oxide (and) Disodium Stearoyl Glutamate (and) Aluminum Hydroxide	0.03
	<b>XIAMETER™ PMX-200 Fluid 2 cs</b>	<b>DOW</b>	<b>Dimethicone</b>	<b>13.80</b>
B	Triester 810	Nikko Chemicals	Caprylic/Capric Triglyceride	15.00
	<b>DOWSIL™ EL-TIPS Silicone Elastomer Blend</b>	<b>DOW</b>	<b>C13-15 Alkane (and) Dimethicone/Vinyl Dimethicone Crosspolymer</b>	<b>2.00</b>
	<b>DOWSIL™ ES-5600 Silicone Glycerol Emulsifier</b>	<b>DOW</b>	<b>Cetyl Diglyceryl Tris(Trimethylsiloxy)silylethyl Dimethicone</b>	<b>3.00</b>
	<b>DOWSIL™ ES-5300 Formulation Aid</b>	<b>DOW</b>	<b>Lauryl PEG-10 Tris(Trimethylsiloxy)silylethyl Dimethicone</b>	<b>3.00</b>
C	<b>SunSpheres™ BIO SPF Booster</b>	<b>DOW</b>	<b>Microcrystalline cellulose</b>	<b>1.50</b>
	Butylene Glycol		Butylene Glycol	3.00
	Water		Water	29.07
D	Neolone PH 100	DuPont	Phenoxyethanol	0.50

## Procedure:

1. Add powders of Phase A into a beaker and add oils. Mix by a spatula or pass three time by three-roll mill.
2. When it becomes even, add Phase B in 1. Mix by a homomixer with 4000rpm for 10 min.
3. Add the BG in a separated beaker and add SunSpheres™ BIO into it so that it can be swelled and make it easy to dissolve into water. Mix it by a spatel and add water. Mix Phase C by ahomomixer at 3000-4000rpm for 10min.
4. Add slowly Phase C into 2 with mixing by homomixer at 3000-4000 rpm and mix them well for 10 min.
5. When it becomes even, add D into 4.

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