



DOW

**SUN#CITY#SPF30 -
Water-in-Oil Sun Cream
(CPF 4303)**

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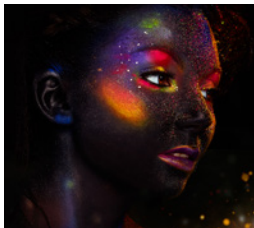
A Water-in-Oil Sun Cream to protect against harmful UV rays featuring bio-derived and biodegradable SunSpheres™ BIO SPF Booster, a solution for SPF Boosting.

Phase	Trade name / Supplier	INCI name	Wt %
A	DOWSIL™ ES-5600 Silicone Glycerol Emulsifier / Dow	Diglyceryl Tris (Trimethylsiloxy) Silyethyl Dimethicone	5.0
	Arlamol HD / Croda	Isohexadecane	1.0
	DOWSIL™ EL-9241 DM Silicone Elastomer Blend / Dow	Dimethicone (and) Dimethicone Crosspolymer	3.0
	Crodamol AB / Croda	C12-15 Alkyl Benzoate	3.0
B	Zinc Oxide (and) Triethoxycaprylylsilane	Zinc Oxide (and) Triethoxycaprylylsilane	15.0
	DOWSIL™ ES-5600 Silicone Glycerol Emulsifier / Dow	Diglyceryl Tris (Trimethylsiloxy) Silyethyl Dimethicone	1.5
	DOWSIL™ FZ-3196 Fluid / Dow	Caprylyl Methicone	7.5
	SunSpheres™ BIO SPF Booster / Dow	Microcrystalline Cellulose	2.0
C	A40-TiO ₂ -DS7 / Kobo	Titanium Dioxide (and) Alumina (and) Dimethicone	6.0
	Glycerin	Glycerin	5.0
	Water	Water	50.0
	Euxyl PE 9010 / Schulke	Phenoxyethanol (and) Ethylhexylglycerin	1.0

Procedure

1. Mix Phase A ingredients in order.
2. Mix Phase B ingredients in order and add to Phase A under agitation (700 rpm).
3. Premix Phase C ingredients and add to Phase AB under agitation (700 rpm).
4. Mix for 5 min at 2000 rpm.
5. Add TEA to adjust pH to 7.3 if needed.
6. Pass to high shear if needed.

Appearance: White cream



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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.

Images: dow_73904719657, dow_60167699645, dow_39921107711

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