

OUT & ABOUT

CPF 4293

DOW

Sun on the Run

Roll-on Sunscreen

Attributes

- UVA & UVB protection (mineral sun filter/TiO₂ only)
- SPF 30*
- Lightweight
- Non-sticky
- Low whiteness
- Long lasting
- Water/sweat resistant

Featured products

- SOLTEX™ INO Polymer
- EPITEX™ 99 Polymer
- DOWSIL™ ES-5373 Formulation Aid
- ACULYN™ 33A Rheology Modifier
- DOWSIL™ FZ-3196 Fluid
- DOWSIL™ HMW 2220 Non-Ionic Emulsion
- DOWSIL™ 2503 Cosmetic Wax
- DOWSIL™ PMX-1507 Fluid
- VERSENE™ Na₂ Crystals Chelating Agent
- XIAMETER™ PMX-200 Silicone Fluid 2 cSt

*SPF estimated based on in-vivo data generated with similar formulation chassis

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Phase	Trade name / Supplier	INCI name	% Wt.
A	Water	Water / Aqua	44.45
	VERSENE™ Na₂ Crystals Chelating Agent / Dow	Disodium EDTA	0.05
	ACULYN™ 33A Rheology Modifier / Dow	Acrylates Copolymer	1.50
	1,3-Butylene Glycol / Univar/Oxea Corporation	Butylene Glycol	1.00
	Glucam E-10 Humectant / Lubrizol	Methyl Gluceth-10	1.00
	Solaveil XT-40W / Croda	Titanium Dioxide (and) Aqua (and) Polyglyceryl-2 Caprate (and) Sucrose Stearate (and) Simmondsia Chinensis (jojoba) Seed Oil (and) Stearic Acid (and) Alumina (and) Glyceryl Caprylate (and) Squalane	11.50
	TRIS AMINO ULTRA PC / Angus	Tromethamine (30% in water)	q.s.
B	DOWSIL™ ES-5373 Formulation Aid / Dow	PEG-12 Dimethicone	2.00
	DOWSIL™ PMX-1507 Fluid / Dow	Dimethicone (and) Dimethiconol	2.00
	DOWSIL™ 2503 Cosmetic Wax / Dow	Stearyl Dimethicone (and) Octadecene	2.00
	XIAMETER™ PMX-200 Silicone Fluid 2 cSt / Dow	Dimethicone	8.00
	DOWSIL™ FZ-3196 Fluid / Dow	Caprylyl Methicone	5.00
	Arlamol HD / Croda	Isohexadecane	2.00
C	Cetiol LC / BASF	Coco-Caprylate / Caprate	2.00
	SOLTEX™ INO Polymer / Dow	Acrylates / Methacryloyloxyethyl Phosphate Copolymer	8.00
	Water	Water / Aqua	5.00
	TRIS AMINO ULTRA PC / Angus	Tromethamine (30% in water)	q.s.
D	EPITEX™ 99 Polymer / Dow	Acrylates Copolymer (and) Acrylates / Polytrimethylsiloxymethacrylate Copolymer	1.20
	DOWSIL™ HMW 2220 Non-Ionic Emulsion / Dow	Divinyldimethicone / Dimethicone Copolymer (and) C12-13 Pareth-23 (and) C12-13 Pareth-3	1.50
E	NEOLONE PH 100 Preservative / DuPont	Phenoxyethanol	0.83
	Hydrolite 8 / Symrise	Caprylyl Glycol	0.67
F	Soleil Expert E_1628476 / Mane	Perfume	0.30
	TRIS AMINO ULTRA PC / Angus	Tromethamine (30% in water)	q.s.

Procedure:

- In order, mix first six phase A ingredients until homogeneous. With Tromethamine, adjust the pH to 7.0-7.5.
- Separately, mix phase B ingredients together and heat to 30-40°C to melt DOWSIL™ 2503 Cosmetic Wax.
- Under high shear, slowly add phase B to phase A.
- Mix phase C ingredients together to reach a pH close to 7.5. Add phase C to phase AB.
- One by one, add phase D ingredients to phase ABC, mixing until homogeneous.
- Mix phase E ingredients together until homogeneous. Add phase E to phase ABCD.
- With phase F, adjust pH to 8.0 (±0.2).

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

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