

After-sun Soothing Cream

Phase	I.N.C.I. name	Commercial name	%
A	Aqua	–	Qs to 100
	Polyester-5	Eastman AQ™ 38S Polymer (Eastman)	2.00
	Aqua, Sodium Dilauramidoglutamide Lysine, Butylene Glycol	Pellicer™ LB-30G (Asahi Kasei)	0.30
B	Xanthan Gum	Safaxan 200 (Safic Alcan)	0.30
	Glycerin	–	3.00
C	Sodium Polyacrylate, C18-C21 Alkane, Trideceth-6	Gelinnov® (Safic Alcan)	1.80
D	Squalane	Neossance® Squalane	8.00
	Cyclopentasiloxane	SF 1202 (Momentive)	3.00
	Fragrance	–	0.30
	Tocopheryl Acetate	Vitamin E Acetate, USP (Protameen Chemicals)	0.30
E	Alcohol	Ethanol 95°	2.00
F	Boron Nitride	Softouch CC6069 (Momentive)	1.00
	Mica, Titanium Dioxide	Silver White 8200 (Pritty)	1.00
G	Sodium Hyaluronate	Bio-Sodium Hyaluraunate Powder MMW (Bioland)	0.02
	Glycerin	–	0.50
	Aqua	–	5.00
H	Aqua, Butylene Glycol, Vaccinium Myrtillus Leaf Extract	Cureberry (Ichimaru Pharcos)	2.00
	Aqua, Propanediol, Sodium Glycerophosphate, Potassium Magnesium Aspartate, Calcium Glucoheptonate, Magnesium Gluconate	Hydramineralis® (Isaltis)	2.00
	Methylchloroisoethiazolinone, Methylisothiazolinone	Biopol® C20 (Chemipol)	0.05
	Genipa Americana Fruit Extract, Maltodextrin, Aqua	Cosmeblue (10% Aqueous Solution) (Ecoflora)	0.45
I	Sodium Dextran Sulfate	Dextralip® 10C (PK Chemicals)	0.20
	Aqua	–	2.00

Protocol

- Phase A:** Heat up the water phase to 80°C and add the Polyester-5. Stir until the phase is homogeneous (for about 15 min) then let it cool down till room temperature. Then add the last ingredient of phase A
- Phase B:** Pre-mix phase B, add it to phase A and stir for 15 minutes
- Phase C:** Add phase C to phase AB and stir for 15 min
- Phase D:** Under high speed stirring add phase D and stir for 5 min, then slow down the stirring speed
- Phase E & F:** Add ingredients of the 2 phases to ABCD
- Phase G:** Pre-mix the hyaluronic acid with glycerin then add it to the water under high speed stirring.
Add the emulsion
- Phase H & I:** Pre-mix these 2 phases separately and add them to the mixture. Add water and if necessary adjust pH to 5.5-6.5