

Formulation Guide

SCH ShellCare® TRAX

Here we present our formulation guide for a cream with a light and silky texture with powerful depigmenting agents such as ectoin, licorice extract and SCH ShellCare® TRAX, which unify the skin tone while protecting against sun damage.

PHASE	INCI	INGREDIENT	SUPPLIER	%
A	Aqua	Distilled water	-	60,8
	Glycerin	Glycerine	-	3
B	Phenylbenzimidazole Sulfonic Acid	Phenylbenzimidazole Sulfonic Acid	Special Chemicals	8
	Diethylhexyl Butamido Triazone	Diethylhexyl Butamido Triazone	Special Chemicals	8
	Butyl Methoxydibenzoylmethane	Butyl Methoxydibenzoylmethane	Special Chemicals	5
	Ectoin	Ectoin	Special Chemicals	2
C	Aqua, Cetearyl Alcohol, Cetearyl Glucoside	SC-M68	Special Chemicals	3
	Caprylic/Capric Triglyceride	Caprylic/Capric Glycerides	Special Chemicals	4
D	Glycyrrhiza Glabra Root Extract	Glycyrrhiza Glabra (Licorice) Root Extract	Special Chemicals	0,2
	Aqua, Polycaprolactone, Tranexamic Acid, Polyvinyl Alcohol, Sorbitan Stearate, Propanediol, 1,2-Hexanediol, Caprylyl Glycol	SCH ShellCare® TRAX	Special Chemicals	3
E	Dimethicone	SCH-201-1,5	Special Chemicals	2
F	Tocopheryl Acetate	Vitamin E Acetate	Special Chemicals	0,5
	Phenoxyethanol, Ethylhexylglycerin	KEM EHG	Akema	0,5

STEP TO STEP

1. Dissolve the glycerin in the distilled water (Phase A) and heat to 70°C.
2. In a separate container, combine the sunscreens and ectoin (Phase B); heat to 70°C until a homogeneous mixture is obtained.
3. In the oil phase, incorporate the emulsifiers and emollients (Phase C) and keep at 70°C. Shake until fully incorporated and mix with Phase A until emulsion is formed.

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4. Allow the emulsion to cool to approximately 30°C and add the licorice extract and the active ingredient SCH ShellCare® TRAX (Phase D) in the aqueous phase (Phase A).
5. Add the silicone (Phase E) into the emulsion and shake for incorporation.
6. Add the vitamin E and preservative (Phase F) and mix until completely homogenized. Pack at room temperature.

Appearance: White cream, light and quickly absorbed.

Specifications: pH (25°C): 5 – 5.5; Viscosity (25°C): 5000 – 10000 cP (sp 4, 20 rpm)

Signed,



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