



Light Mineral Sun Cream (SLI-054)

All-mineral and natural light sun cream based on Zinc Oxide as single UV – Filter.
This formula fits very well in daily skincare routine, yet is also perfect as facial or body sunscreen with Broadband UV – spectrum.

Phase	Ingredient	INCI	% w/w	Function
A	Water demin.	AQUA	QS	
	PuraBeet® Betaine Anhydrous (AGRANA Stärke)	BETAINE	2.00	Humectant
	Bioecto™ Ectoine	ECTOIN	0.20	Active
	Xanthan Gum	XANTHAN GUM	0.20	Thickener
	RICE PO4 NATURAL (AGRANA Stärke)	DISTARCH PHOSPHATE	3.00	Sensory Enhancement
B	EMULPHARMA® K10 RSPO MB (Sharon Personal Care)	CETEARYL GLUCOSIDE, SORBITAN OLIVATE, CETEARYL ALCOHOL	3.00	Emulsifier
	EMULPHARMA® MIMESIS RSPO MB (Sharon Personal Care)	GLYCERIN, POLYGLYCERYL-3 COCOATE, HYDROGENATED LECITHIN, LECITHIN, AQUA	3.00	Emulsifier
	Lanette® O	CETEARYL ALCOHOL	0.50	Stabilizer
	SHAROFEEEL DS (Sharon Personal Care)	DIOCTYLDODECYL SUCCINATE	3.00	Emollient
	Gilsolide® HVN (GILAS sas)	C13-14 ALKANE, POLYGLYCERYL-4 OLEATE, GLYCERYL OLIVATE	3.00	Emollient
	Eclipse® D1-CCT65 (Uviva Technologies)	ZINC OXIDE, CAPRYLIC/CAPRIC TRIGLYCERIDE, POLYHYDROXYSTEARIC ACID	31.00	UV – Filter
C	Preservative	SORBITAN CAPRYLATE, BENZYL ALCOHOL	1.50	Preservative
	PARFÜMÖL SUN & BEACH (Frey + Lau GmbH)	PARFUM	0.50	Perfume



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Specification:

Appearance:	White lotion
pH-value:	7.40 – 7.80
Viscosity:	approx. 11000 mPas (IKA Rotavisc me-vi, SP9, 5rpm, 20°C)
Stability:	Stable for 3 months at 4°C, 20°C, 40°C, 1 month at 45°C

Procedure:

- I. Mix the components of phase A while stirring and heat up to 80°C.
- II. Mix the components of phase B while stirring and heat up to 80°C.
- III. Add phase B to phase A and homogenize for 5 – 10 minutes.
- IV. Cool down to 35°C and add phase C.
- V. Set pH-value if necessary.

Raw Material Insights

PuraBeet® Betaine

- Derived naturally, delivers outstanding moisturizing effects and strengthens the skin's barrier

Eclipse® D1-CCT65

- Truly superior zinc oxides. Highest transparency in the industry. Uncoated that works as coated.

SHAROFEE DS

- Emollient with an exceptional feel on the skin. Excellent dispersion capacity for mineral filters.

Gilsolide® HVN

- Highly dry and spreading emollient oil, manufactured from vegetable-derived raw materials.

EMULPHARMA® K10 RSPO MB

- Natural primary o/w emulsifier with crystal liquid structure.

EMULPHARMA® MIMESIS RSPO MB

- Multitasking emulsifier able to form skin-like structures. A real carrier for active ingredients.

SLI Chemicals GmbH

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