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Fine Chemicals and More ...



Natural Sun Spray SPF 30 (SLI-014)

Sun Spray based on Zinc Oxide as single UV – Filter. Broadband UV – spectrum.

Phase	Ingredient	INCI	% w/w	Function
A	Water demin.	AQUA	QS	
	Glycerin 99,5% (Glaconchemie GmbH)	GLYCERIN	2.00	Humectant
	D-Panthenol 75 %	PANTHENOL	0.50	Active
	XG FNCSP-PC	XANTHAN GUM	0.20	Rheology Modifier
B	TEGO® Care PBS 6 MB	POLYGLYCERYL-6 STEARATE, POLYGLYCERYL-6 BEHENATE	4.00	Emulsifier
	Lanette® O	CETEARYL ALCOHOL	0.25	Stabilizer
	TEGIN® Pellets MB	GLYCERYL STEARATE SE	0.25	Stabilizer
	dermofeel® sensolv MB	ISOAMYL LAURATE	10.00	Emollient
	Eclipse® D1-CCT 65 (Uviva Technologies)	ZINC OXIDE, CAPRYLIC/CAPRIC TRIGLYCERIDE, POLYHYDROXYSTEARIC ACID	30.75	UV – Filter
C	Sharomix® EG10 (Sharon Personal Care)	ETHYLHEXYLGLYCERIN, PHENOXYETHANOL	1.00	Preservative
D	Citric Acid 10%	CITRIC ACID	QS	pH – Adjuster

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Specification:

Appearance:	White emulsion
pH-value:	7.40 – 7.80
Viscosity:	approx. 2600 mPas (IKA Rotavisc me-vi, SP9, 5rpm, 20°C)
Stability:	Stable for 3 months at 4°C, 20°C and 40°C, 1 month at 45°C

Procedure:

- I. Mix the components of phase A while stirring and heat up to 60°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 with phase D.

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