Formulation Example

Rahmenrezeptur

High SPF Sunscreen

Sustainable touched with RonaCare® Luremin

MDA-S-41-07

	Ingredients	Art. No.		INCI	[%]
A	**Eusolex® T-S**	**1.05334**	**(1)**	**TITANIUM DIOXIDE, ALUMINA, STEARIC ACID**	**17.00**
	Arlacel 1689 V		(2)	SORBITAN OLEATE, POLYGLYCERYL-3 POLYRICINOLEATE	6.00
	Sesame oil, bio		(3)	SESAMUM INDICUM	4.00
	Cetiol OE		(4)	DICAPRYLYL ETHER	12.00
	Dermofeel PR		(5)	POLYGLYCERYL-3 POLYRICINOLEATE	3.00
	Miglyol 812		(6)	CAPRYLIC/CAPRIC TRIGLYCERIDE	10.00
	Eutanol G		(4)	OCTYLDODECANOL	4.00
	Magnesium Stearate	1.00663	(1)	MAGNESIUM STEARATE	0.70
	all-rac-alpha-Tocopherol	5.00949	(1)	TOCOPHEROL	0.50
	Candelilla Wax		(7)	CANDELILLA CERA (CANDELILLA WAX)	1.00
B	**RonaCare® Ectoin**	**1.30200**	**(1)**	**ECTOIN**	**0.50**
	RonaCare® Magnesium Sulfate	1.60628	(1)	MAGNESIUM SULFATE	0.70
	Glycerol, anhydrous	1.04093	(1)	GLYCERIN	5.00
	Water, demineralized			AQUA (WATER)	27.50
C	**RonaCare® Luremin™**	**1.30204**	**(1)**	**SORBITOL, DIHYDROXYMETHYLCHROMONE**	**1.00**
	Water, demineralized			AQUA (WATER)	2.00
	Ethanol 96%	1.00971	(1)	ALCOHOL	5.00
	Salicylic Acid	1.00631	(1)	SALICYLIC ACID	0.10

Procedure: Phase A: Disperse T-S in the given emollients and emulsifiers (check dispersion grade via microscope), add magnesium stearate and wax and heat to 75 – 80°C. Heat phase B separately to 75°C. Add phase B slowly to phase A while stirring and homogenize. Disperse RonaCare® Luremin in the water of phase C. Add this mixture to A/B. Cool down while slowly stirring and add remaining ingredients of phase C at approx. 35°C. Cool down to room temperature while stirring.

Notes: Viscosity 25000 mPa s (Brookfield RV-DV II+, Helipath sp. B, 10 rpm), at 23°C

→ Broad spectrum UV protection performed by the mineral UV filter **Eusolex® T-S.**
→ Retinol-like anti-aging properties provided by the nature-identical active **RonaCare® Luremin**.
→ Long-lasting moisturizing & soothing aspects realized with **RonaCare® Ectoin.**

Suppliers:

(1) Merck KGaA/Rona® (2) Croda GmbH (3) Gustav Heess GmbH
(4) Cognis GmbH (5) Dr. Straetmans (6) Sasol Germany GmbH (7) Ross Waxes

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