

Formulation Example

MDA-S-195-12

Protect & Beautify | Tinted Sunscreen Fluid SPF 50, UVA

Ingredients	Art. No.	INCI EU	[%]
A1			
Eusolex® T-PURE	1.05947 (1)	TITANIUM DIOXIDE (NANO), ALUMINA, SILICA	6.00
Eusolex® Z-TEC	1.32428 (1)	ZINC OXIDE (NANO)	20.00
Unipure White LC 981 HLC	(2)	CI 77891, HYDROGENATED LECITHIN	2.00
Unipure yellow LC182 HLC	(2)	CI 77492, HYDROGENATED LECITHIN	1.20
Unipure red LC381 HLC	(2)	CI 77491, HYDROGENATED LECITHIN	0.20
Unipure black LC989 HLC	(2)	CI 77499, HYDROGENATED LECITHIN	0.10
A2			
RonaCare® Poppy SE	1.32149 (1)	CAPRYLIC/CAPRIC TRIGLYCERIDE, PAPAVER RHOEAS EXTRACT, TOCOPHEROL	2.00
RonaCare® AP	1.30163 (1)	BIS-ETHYLHEXYL HYDROXYDIMETHOXY BENZYL MALONATE	1.00
Lameform® TGI	(3)	POLYGLYCERYL-3 DIISOSTEARATE	2.00
Myritol® 312	(3)	CAPRYLIC/CAPRIC TRIGLYCERIDE	33.30
Cetiol® OE	(3)	DICAPRYLYL ETHER	5.00
Cetiol® LC	(3)	COCO-CAPRYLATE/CAPRATE	5.00
Cetiol® CC	(3)	DICAPRYLYL CARBONATE	10.00
Organic Sweet Almond Oil	(4)	PRUNUS AMYGDALUS DULCIS	7.00
B			
RonaFlair® Flawless	1.17789 (1)	SILICA, CI 77891, CI 77491	4.00
RonaFlair® Balance Green	1.17786 (1)	CI 77891, MICA, TIN OXIDE	1.00
C			
Oxynex® L-CV Liquid	1.32330 (1)	ALCOHOL, TOCOPHEROL, CAPRYLIC/CAPRIC TRIGLYCERIDE, ASCORBYL PALMITATE, ASCORBIC ACID, CITRIC ACID	0.20

Procedure:

Heat phase A2 to 80°C while stirring. Add slowly premixed phase A1 while high stirring using e.g. a dispersing blade, maintaining 80°C. Homogenize. Check that all particulate ingredients are well dispersed. Add phase B while stirring with the dispersing blade until fillers are well dispersed. Cool down to T< 40°C and add phase C. Stir until homogeneous. Cool down to room temperature while stirring.

Notes:

Shake before use

Appearance: very liquid light beige brown lotion

Viscosity: < 250 mPa.s (Brookfield DV-II+, Helipath, spindle B, 100 rpm) at 21 °C

Stability: 3 months at 40 °C, FTC (-5 °C to +40 °C), 5 °C, RT and 1 week at 50 °C

NOI (DIN ISO 16128) = 96,4%

Suppliers:

(1) Susonity Commercial GmbH, Germany and/or its affiliates

(3) BASF AG

(2) Sensient Cosmetic Technologies

(4) IES Labo

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