

Formulation Example

MDA-P-173-01 SK 03 Hydro Smooth Primer NAT-PRIME

Ingredients	Art. No.	INCI EU	[%]
A			
RonaCare® Ectoin	1.30200 (1)	ECTOIN	1.00
Glycerol anhydrous (vegetable) EMPROVE® bio	1.37028 (1)	GLYCERIN	3.00
Solagum™ AX	(2)	XANTHAN GUM, ACACIA SENEGAL GUM	0.30
Sodium Gluconate	(3)	SODIUM GLUCONATE	0.20
Lexgard® Natural	(4)	GLYCERYL CAPRYLATE, GLYCERYL UNDECYLENATE	1.00
Water, demineralized		AQUA	51.50
B			
Tegin® Pellets	(5)	GLYCERYL STEARATE SE	3.00
Oramix NS 10	(2)	DECYL GLUCOSIDE	3.00
SustOleo™ BA	(4)	BRASSICA ALCOHOL	4.00
Lexfilm® Sun Natural	(6)	CAPRYLOYL GLYCERIN/SEBACIC ACID COPOLYMER	3.00
C			
RonaFlair® Flawless	1.17789 (1)	SILICA, CI 77891, CI 77491	5.00
RonaFlair® LDP White	1.17755 (1)	SODIUM POTASSIUM ALUMINUM SILICATE, CI 77891, SILICA	4.00
LexFeel Natural	(6)	HEPTYL UNDECYLENATE	10.00
Miglyol® T-C7	(7)	TRIHEPTANOIN	10.00

Procedure:

1. Disperse Solagum AX in water of phase A and add the rest of the ingredients of phase A while stirring until dissolved.
2. Heat phase A to 80°C
3. Combine phase C and disperse Ronaflair® fillers, until homogeneous (e.g. Speedmixer®)
4. Add phase B into phase C and heat to 80°C
5. Add phase B/C to phase A while stirring, @ 60°C homogenize with U-Turrax T-25 at 8000rpm for 3 minutes
6. Cool down to 40°C while stirring and adjust pH to 5-5,2

Notes:

Appearance: light beige-offwhite lotion

pH value: 5 - 6 (23°C)

Viscosity: 45000 mPas (Brookfield DV-I, Helipath spindle C, 10 rpm) at 23°C

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

ISO 16128 (NOC >99,9 incl. water)

Formulation can develop a stronger smell (raw materials) when stored >6 months - the use of fragrance is recommended.

Suppliers:

(1) Merck KGaA, Darmstadt, Germany / EMD Performance Materials Corp.

(3) Jungbunzlauer GmbH

(5) Evonik Nutrition & Care GmbH

(2) Seppic

(4) IMCD Deutschland GmbH

(6) INOLEX Chemical Company

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(7) IOI Oleo GmbH

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