

Starting point formulation – Antiperspirant/deo roll-on – velvety soft

The product significantly reduces sweating and leaves no marks on your clothing. The selected ingredients give you a velvety and pleasantly cared for skin feeling, even on freshly shaved skin, without burning.

Formulation

Position	Component	INCI	Supplier	Function	Dosage (%)
A	Eumulgin S2	Steareth-2	BASF	Emulsifier	3.00
	Eumulgin S21	Steareth-21	BASF	Emulsifier	1.65
	TEGOSOFT E BF	PPG-15 Stearyl Ether	Evonik	Emollient	4.70
	Isopropyl Myristate	Isopropyl Myristate	BASF	Emollient	2.00
	TEGOSOFT AC MB	Isoamyl Cocoate	Evonik	Emollient	1.80
	DERMOFEEL TEC ECO	Triethyl Citrate	Evonik	Active	0.75
B	Water	Aqua (Water)		Carrier	68.90
	Glycerin 85%	Glycerin, Aqua	VWR	Moisturizer	1.20
	Drygen S	Aluminium Chlorohydrate	Clariant	Antiperspirant	10.00
C	PURABYK-P 5541 SATIN	Bentonite	BYK	Absorbing agent	3.00
D	Rokonsal BSB-N	Benzyl Alcohol, Glycerin, Benzoic Acid, Sorbic Acid	Ashland	Preservative	0.80
	D-Panthenol 75 W	Panthenol, Aqua	BASF	Active	0.50
	Nivas Lady DF extra	Parfum	Bell	Fragrance	0.30
E	Sodium Hydroxide, 5 % solution	Aqua, Sodium Hydroxide	Carl Roth GmbH	pH regulator	1.40
Total					100.00

PURABYK-P 5541 SATIN is a non-activated phyllosilicate offering a humidity absorbing effect on skin.

Instructions (manufacturing procedure)

- Add all materials of phase A into a beaker. Heat up to 65 °C and maintain the temperature until everything is melted.
- Phase B: add water into a beaker. Add aluminum chlorohydrate and stir until it is almost completely dissolved.
- Next, add glycerin and stir until it is completely dissolved. After that heat up to 65 °C.
- Transfer phase A slowly into phase B while stirring (wingstirrer 500 rpm).
- Stir for 2 min at 65 °C. Stir for 2 min. After that, homogenize with the ultra turrax for 1 min at 8,000 rpm.
- Add PURABYK-P 5541 SATIN and stir for 15 min (wingstirrer 800 rpm).
- Cool down to <40 °C while stirring (wingstirrer 500 rpm).
- Add the materials of phase D one after the other while stirring (wingstirrer 500 rpm).
- Cool down to room temperature while stirring (wingstirrer 500 rpm) and adjust the pH-value to 4.3–4.8.

Characteristic data

- Appearance: off-white, viscous emulsion.
- Storage stability: 3 months at 40 °C.



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