

- PEG-free deo-cream • Al-free • quick absorption • soft and refreshing skin feel •
- natural odor protection •

Phase	Ingredient	INCI	Supplier	%
A	Deionised Water	Aqua		74,35
	Zemea®	Propanediol	DuPont Tate&Lyle Bio Prod.	3,00
	Deoplex® DH	Saccharomyces Ferment, Propanediol, Potassium Sorbate	Carrubba	2,00
A1	Keltrol® CG-RD	Xanthan Gum	CP Kelco	0,30
B	Symbio® Muls GC	Glyceryl Stearate Citrate, Cetearyl Alcohol, Glyceryl Caprylate	Dr. Straetmans	4,00
	Palmester® 3595	Caprylic/Capric Triglyceride	KLK Oleo	7,00
	Dow Corning® 5562 Carbinol Fluid	Bis-Hydroxyethoxypropyl Dimethicone	Dow Corning	7,00
	Dermosoft® Decalact Deo	Sodium Caproyl/Lauroyl Lactylate, Triethyl Citrate, Salvia Officinalis Oil	Dr. Straetmans	1,00
	Dermofeel® Toco 70 non-GMO	Tocopherol, Helianthus Annuus Seed Oil	Dr. Staetmans	0,05
C	Verstatil® TBO	Triethyl Citrate, Caprylyl Glycol, Benzoic Acid	Dr. Straetmans	1,00
	Parf. Salbei & Birke Nat. Blend 0811860	Parfum	Bell Flavors	0,30
				100,00

Product Features:

Appearance: White emulsion

pH: 4,8-5,5

Viscosity: 20000-35000 mpas (Brookfield: TF, speed 10 rpm)

Stability: More than 3 month stable at 20°C, 40°C and 4°C.

Manufacturing Procedure:

1. Dissolve ingredients of phase A1 in A while stirring at 75°C.
2. Mix phase B at 50°C.
3. Emulsify phase B to phase A while stirring.
4. Cool down to 60-65°C. Homogenize.
5. Cool down to room temperature and add part C below 40°C.
6. Adjust pH to 4,8-5,5.

Biesterfeld Products:

Dermosoft® Decalact Deo

Antimicrobial active substance, effective against microorganisms causing skin disorders such as dandruff, skin odor, athlete's foot. 100% natural alternative to triclosan and climbazol.

Dow Corning® 5562 Carbinol Fluid

Carbinol fluid with polar organic substituents. This moderate polar fluid provides a light and unique skin feel and reduces tackiness. It has a low formulated odor and imparts hydrophilicity and wetting into the formulation. Furthermore it improves fragrance retention on the skin.

Symbio® Muls GC

PEG-free O/W emulsifier from vegetable source. Excellent skin and eye compatibility in all O/W-emulsions. Can be combined perfectly with other emulsifiers to stabilize O/W emulsions. It is also often used as a co-emulsifier and to improve the rheology and sensorial profile of the formulation.

Approved by ECOCERT, BDIH, NaTrue, Cosmos.

Zemea®

Propanediol made from corn sugar as a 100% natural alternative to other glycols. Superior hydration properties, preservative boost effect and great synergy effects with glycerin, low irritation properties. Reduction of tackiness in formulations containing glycerin. Ecocert approved.