

## Odor Police

BSC 31.7-1.2-315

- PEG-free deo-cream • Al-free • quick absorption • effective odor control •

Phase	Ingredient	INCI	Supplier	%
<b>A</b>	Deionised Water	Aqua		71,45
	Zemea®	Propanediol	DuPont Tate&Lyle Bio Prod.	3,00
	Deoplex® DH	Saccharomyces Ferment, Propanediol, Potassium Sorbate	Carrubba	2,00
	Saliguard® EHG	Ethylhexylglycerin	Salicylates&Chemicals	0,50
<b>A1</b>	Bonderm 10 Olive	Cetearyl Glucoside, Sorbitan Olivat	Bonderalia	7,50
	Keltrol® CG-SFT	Xanthan Gum	CP Kelco	0,30
<b>B</b>	Palmester® 3595	Caprylic/Capric Triglyceride	KLK Oleo	7,00
	Dow Corning® 5562 Carbinol Fluid	Bis-Hydroxyethoxypropyl Dimethicone	Dow Corning	7,00
	Dermofeel® Toco 70 non-GMO	Tocopherol, Helianthus Annuus Seed Oil	Dr. Straetmans	0,05
<b>C</b>	Saliguard® PG	Phenoxyethanol, Caprylyl Glycol	Salicylates&Chemicals	0,80
	Comp. 79.8853 Super Pomegranate	Parfum	Lothar Streeck	0,40
				<b>100,00</b>

### Product Features:

Appearance: White emulsion

pH: 4,8-5,5

Viscosity: 20000-30000 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.

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### Biesterfeld Products:

#### **Bonderm 10 Olive**

PEG-free emulsifier for O/W emulsions with liquid crystal lamellar structures. It is based on precious Italian olive oil and provides fresh and light emulsions with a velvet touch and skin moisturizing properties.

#### **Deoplex® DH**

Natural deodorizing active that provides mild and effective odor control based on enzymatic conversion. Application in a wide range of personal care and home care products to eliminate malodors caused e.g. by human perspiration, waste, pets, mildew, smoke, food and thios. Can also be effective in reducing „typical“ raw material odor.

#### **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.

#### **Saliguard® EHG**

Multifunctional ingredient that improves antimicrobial efficacy when combined with traditional preservatives and other cosmetic ingredients. Effectivity is given in a broad pH-range and the molecule is stable to heat. It inhibits the growth and multiplication of odor causing gram positive bacteria and is therefore used as deodorizing agent. Emollient properties provide soft and smooth skin feel.

#### **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.