

- moisturizing deo roll-on • Al-free • effective odor-inhibition • quick absorption •
- non-sticky skin feel •

Phase	Ingredient	INCI	Supplier	%
<b>A</b>	Deionised Water	Aqua		75,50
	Esaflo HDR	Hydroxypropyl Guar	Lamberti	1,00
	Zemea®	Propanediol	DuPont Tate&Lyle Bio Prod.	10,00
	Saliguard® EHG	Ethylhexylglycerin	Salicylates&Chemicals	0,50
	Deoplex® DH	Saccharomyces Ferment, Propanediol, Potassium Sorbate	Carrubba	2,00
<b>B</b>	Sorbilene L/H	Polysorbate 20	Lamberti	0,50
	Comp. 72.9956 Wasserlilie	Parfum	Lothar Streeck	0,50
	Ethanol	Alcohol denat.		10,00
				100,00

### Product Features:

Appearance: Turbid gel

pH: 4,8-5,5

Viscosity: 10000-20000 mpas (Brookfield: TF, speed 10 rpm)

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

### Manufacturing Procedure:

1. Dissolve phase A while stirring.
2. Premix phase B and add to phase A.
3. Stir until a homogenous gel is obtained.
4. Adjust pH to 4,8-5,5.

### Biesterfeld Products:

#### 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.

#### Esaflo® HDR

Derivative of guar gum with excellent thickening properties. It presents an optimum compatibility with polar solvents and is able to thicken formulations with high concentration of polar solvents (up to 90% of ethanol).

#### 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.