

## Anti-acne cream with Nio-Sebactive

0211-1-23

Claims: anti-acne, anti-oily skin Soothing, Natural product, PEG-Free, Moissurizing

Phase	Ingredient	INCI	Supplier	%
A	Deionised Water	<i>Aqua</i>		at 100
B	Glycerol	<i>Glycerin</i>	<i>Spiga</i>	1,00
	Xanthan gum	<i>Xanthan gum</i>	<i>CP Kelco</i>	0,10
C	Almond Oil	<i>Prunus Amygdalus Dulcis Oil</i>	<i>SD Chemicals</i>	2,00
	Cetiol OE	<i>Dicaprylyl Ether</i>	<i>BASF</i>	6,00
	Dermoil OP	<i>Ethyhexyl Palmitate</i>	<i>SD Chemicals</i>	3,00
	Lanette 16	<i>Cetyl alcohol</i>	<i>BASF</i>	5,50
	GMS-40	<i>Glyceryl stearate</i>	<i>FACI</i>	2,00
	BRB DM 350	<i>Dimethicone</i>	<i>BRB</i>	0,30
	Unsaponifiable olive oil	<i>Olea europea</i>	<i>SD Chemicals</i>	2,00
	<b>Phytocare PG</b>	<b><i>Polyglyceryl-10 Almond oil ester and Polyglyceryl-4 Punicate</i></b>	<b><i>Naturalis</i></b>	<b>3,50</b>
	Dermofeel Toco 70	<i>Tocopherol, Helianthus Annus Seed Oil</i>	<i>Dr. Straetmans</i>	0,10
D	<b>Lema-14A</b>	<b><i>Sodium levulinate and Magnolol and Honokiol</i></b>	<b><i>Naturalis</i></b>	0,70
E	<b>Nio-Sebactive</b>	<b><i>See TDS</i></b>	<b><i>Naturalis</i></b>	3,00
F	DC 9040	<i>Cyclopentasiloxane (and) Dimethicone Crosspolymer</i>	<i>Dow Corning</i>	1,50
G	Citric Acid	<i>Citric Acid</i>	<i>Merck</i>	q.s.
				100,00

### Manufacturing Procedure:

1. Dissolve phase B in A and heat up to 75°C
2. Heat phase C up to 70°C
3. Emulsify phase C to A+B homogenizing
4. Cool down below 45°C and add phase D
5. Add phase E dispersed into a part of water and F homogenizing
6. Adjust pH-value to 5.5-6.0 with the phase G and cool further down to room temperature

### Secification Values:

Appearance: light-brown emulsion

pH-value: 5,5-5,7

Viscosity: approx 14800 mPas (Brookfield DVII+) speed 0,3 rpm; Spindle 3

Centrifugation (5000 rpm 10 min): No separation

### Stability:

3 months stable at 4°C, 20°C and 40°C

**Packaging: 50 ml tube or jar (suggested)**

### Disclaimer:

The above reported formulation example is meant to demonstrate only how our products can be used. The given data must be considered only suggestions without any guarantee aimed to support customers' development.