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*Designed with  
the thought  
about you*

**ROKAnol BP14**

PPG-14 BUTYL ETHER

## Description

- liquid lipophilic emollient,
- improves cosmetics spreading,
- vehicle for actives substances,
- very good moisturizing and smoothing properties.

## Application

- shampoo,
- hair conditioner,
- serum and essence,
- face cream,
- face cleanser,
- body scrub,
- facial treatment,
- sunscreen,
- deodorant and anti-perspirant.



in line with cosmetic trends



guarantee the consumer satisfaction



improvement of Personal Care formulations



innovative product



value for money

## ROKAnol BP14

### PPG-14 BUTYL ETHER

<b>Chemical name</b>	Butyl Ether, propoxylated	
<b>INCI name</b>	PPG-14 Butyl Ether	
<b>CAS number</b>	9003-13-8	
<b>Function</b>	Solvent, skin conditioning agent	
<b>Technical requirements</b>	Appearance at temperature (20±25)°C	clear liquid
	Colour in Hazen scale (20±25)°C	max 50
	Viscosity at 25°C, cP	85-105
	Density at 25°C, g/mL	0.978 – 1.008 g/cm <sup>3</sup>
	Water, %(m/m)	max 0.25
<b>General data</b>	Molecular weight, g/mol	approx. 900
	Solubility in water at room temperature	insoluble

## Delicate cream deodorant

Phase	INCI name	Brand name	Concentration [%]	Function
A	Cocos Nucifera Oil	-	32.00	emollient
A	<b>Cetearyl Alcohol</b>	<b>EXOalc 1618</b>	<b>15.00</b>	<b>emulsifier</b>
A	Butyrospermum Parkii Butter	-	12.00	emollient
A	Mangifera Indica Seed Butter	-	6.50	emollient
A	Cera Alba	-	5.00	emollient
B	Zea Mays Starch	-	7.00	absorbent
B	Tapioca Starch	-	16.00	absorbent
B	Zinc Oxide	-	2.00	bactericidal
C	<b>PPG-14 Butyl Ether</b>	<b>ROKAnol BP14</b>	<b>3.00</b>	<b>emulsifier</b>
C	Citrus Aurantium Dulcis Fruit Extract	-	0.50	active
C	Glycerin	-	0.50	humectant
C	Tocopherol	-	0.50	active

**APPEARANCE** visual method paste  
**pH** 3.5 – 5.0



## PROCEDURE

1. In main vessel heat phase A to 70-80°C.
2. In a separate vessel prepare phase B and phase C – mix until uniform.
3. Add phase B to A and mix. Next add phase C and mix until uniform.

## UV protect hair mask

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	-	72.70	solvent
A	Panthenol	-	2.00	active
B	Glycerin	-	1.00	humectant
B	<b>Cetearyl Alcohol, Ceteareth-20</b>	<b>EXOcare TE20 FLAKES</b>	<b>15.00</b>	<b>emulsifier</b>
B	<b>PPG-14 Butyl Ether</b>	<b>ROKAnol BP14</b>	<b>3.00</b>	<b>conditioning</b>
B	Macadamia Integrifolia Seed Oil	-	1.00	emollient
B	Persea Gratissima Oil	-	1.00	emollient
B	Cocos Nucifera Oil	-	1.00	emollient
C	Triolein (and) Vaccinium Macrocarpon Seed Oil (and) Haematococcus Pluvialis Extract	-	1.00	active
C	Phenoxyethanol, Ethylhexylglycerin	-	0.80	preservative
C	Canola Oil	-	0.50	emollient
C	Tocopherol	-	0.50	active
C	Parfum	-	0.50	fragrance

APPEARANCE visual method  
pH

white emulsion  
5.0 – 6.0



### PROCEDURE

1. In separate vessels combine ingredients from phase A and B. Heat up to 60 – 70°C. Add phase A to phase B while mixing. Homogenize with 2500 – 3500 RPM, 90 – 120 sec.
2. Cool down batch to 30°C while mixing.
3. Mix phase C and add to main beaker. Homogenize with 1500 – 2500 RPM, 90 – 120 sec.

## Deeply moisturizing day cream

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	-	78.10	solvent
A	Trehalose, Hydrolyzed Vegetable Protein	-	1.00	active
A	Propanediol, Aqua, Bacillus Ferment	-	1.00	active
A	Panthenol	-	0.50	active
A	Glycerin	-	3.00	humectant
A	Sclerotium Gum, Xanthan Gum	-	0.40	rheology modifier
B	<b>Cetearyl Alcohol</b>	<b>EXOalc 1618 FLAKES</b>	<b>2.00</b>	<b>emulsifier</b>
B	<b>Ceteareth-20</b>	<b>ROKAnol T20</b>	<b>2.00</b>	<b>emulsifier</b>
C	Sodium Polyacrylate	-	0.40	rheology modifier
C	Tocopherol	-	0.60	active
C	<b>PPG-14 Butyl Ether</b>	<b>ROKAnol BP14</b>	<b>4.00</b>	<b>conditioning</b>
C	<b>C12-15 Alkyl Benzoate</b>	<b>EXOsoft AB25</b>	<b>6.00</b>	<b>emollient</b>
C	Phenoxyethanol, Ethylhexylglycerin	-	0.80	preservative
C	Parfum	-	0.20	fragrance

APPEARANCE visual method  
pH

white emulsion  
5.0 – 7.0



### PROCEDURE

1. In a beaker mix Sclerotium and Xanthan Gum with Glycerin.
2. In other beaker combine Aqua with active substances (phase A). Mix and heat up to 60 – 70°C. Add Sclerotium and Xanthan Gum with Glycerin.
3. In main vessel mix phase B and heat up to 60 – 70°C.
4. Add phase A to phase B and homogenize with 2500 – 3500 RPM, 90 – 120 sec. Cool the batch down to 40°C while mixing.
5. Mix Sodium Polyacrylate with EXOsoft AB25. Add rest phase C and mix.
6. Add phase C to main beaker, mix and homogenize with 2500 – 3500 RPM, 90 – 120 sec.



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