



ROKAnol BP14

PPG-14 Butyl Ether

Local. Global. Integrated.

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 antiperspirant.



ROKAnol BP14

PPG-14 Butyl Ether

Chemical name	Butyl Ether, propoxylated	
INCI name	PPG-14 Butyl Ether	
CAS number	9003-13-8	
Function	Solvent, skin conditioning agent	
Technical requirements	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 ³
	Water, %(m/m)	max 0.25
General data	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	Cetearyl Alcohol	EXOalc 1618	15.00	emulsifier
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	PPG-14 Butyl Ether	ROKAnol BP14	3.00	conditioning
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	Cetearyl Alcohol, Ceteareth-20	EXOcare TE20 FLAKES	15.00	emulsifier
B	PPG-14 Butyl Ether	ROKAnol BP14	3.00	conditioning
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 white emulsion
pH 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	Cetearyl Alcohol	EXOalc 1618 FLAKES	2.00	emulsifier
B	Ceteareth-20	ROKAnol T20	2.00	emulsifier
C	Sodium Polyacrylate	–	0.40	rheology modifier
C	Tocopherol	–	0.60	active
C	PPG-14 Butyl Ether	ROKAnol BP14	4.00	conditioning
C	C12-15 Alkyl Benzoate	EXOsoft AB25	6.00	emollient
C	Phenoxyethanol, Ethylhexylglycerin	–	0.80	preservative
C	Parfum	–	0.20	fragrance

Appearance

visual method

white emulsion

pH

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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