

Description

- · high concentration
- high performing and cost-effective thickening agent
- acts as a foam booster, strong solubilizer and emulsifier
- effective in both SLES-based and SLES-free formulations
- · based on renewable rapeseed oil
- good biodegradability
- easy to handle due to its low viscosity
- · can also be formulated at room temperature

Application

- shampoos
- shower gels
- · hand soaps
- · shaving gels
- · hair styling preparations
- · hair dyes



guarantee the consumer satisfaction





value for money



ROKAmid MRZ4

PEG-4 Rapeseedamide

Chemical name	Rapeseed oil fatty acids monoethanolamide, ethoxylated		
INCI name	PEG-4 Rapeseedamide		
CAS number	85536-23-8		
Function	Thickening agent, foam booster, solubilzer, emulsifier		
Technical requirements	Appearance at temperature (20÷25)°C	liquid	
	pH of 1% solution	9.2 ÷ 10.2	
	Water, %(m/m)	6.5 ÷ 8.5	
	Color in Gardner scale (20÷25)°C	max. 5	
	Free MEA, %(m/m)	max. 1.4	
General data	Density at 25°C, g/mL	1.00	
	Solubility	dispersible	
	Solidification point, °C	approx. 0	

Make-up removing gel [KD-203]

Phase	INCI name	Brand name	Concentration [%]	Function
Α	Aqua	-	22.50	solvent
А	Glycerin	-	0.30	solvent
В	Paraffinum Liquidum	-	2.40	emollient
В	Cetearyl Alcohol	EXOalc 1618 flakes	1.80	thickener
В	Ceteareth-20	ROKAnol T20	1.20	emulsifier
C	PEG-4 Rapeseedamide	ROKAmid MRZ4	4.00	surfactant
С	Parfum	-	0.50	fragrance
С	Sodium Benzoate, Potassium Sorbate	-	0.50	preservative
С	Hexylene Glycol	-	3.00	solvent
D	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	_	61.60	rheology modifier
D	PPG-15 Stearyl Ether	ROKAnol SP15L	1.80	emollient
Е	Sodium Hydroxide	-	0.40	pH modifier

Appearancevisual methodwhite gelpH6.0 - 6.5Stability1 month in 5°C, 20°C, 40°Cconfirmed

Procedure:

- **1.** Add water and glycerin into the main vessel and heat up to 80°C while mixing.
- 2. Combine ingredients from phase B in a separate vessel and heat up to 80°C and add to main vessel. Mix it until homogenous emulsion is obtained at 80°C.
- **3.** Cool the batch down to 60°C while mixing and homogenize with 3000 RPM for 1 min.
- **4.** Combine ROKAnol SP15 and Acrylates/C10-30 Alkyl Acrylate Crosspolymer and add into a main vessel. Homogenize with 3000 RPM, 60 sec.
- **5.** At 40°C add gradually combined phase C and mix it.
- **6.** Add Sodium Hydroxide and homogenize with 3000 RPM for 30 sec. Cool down to 25°C.

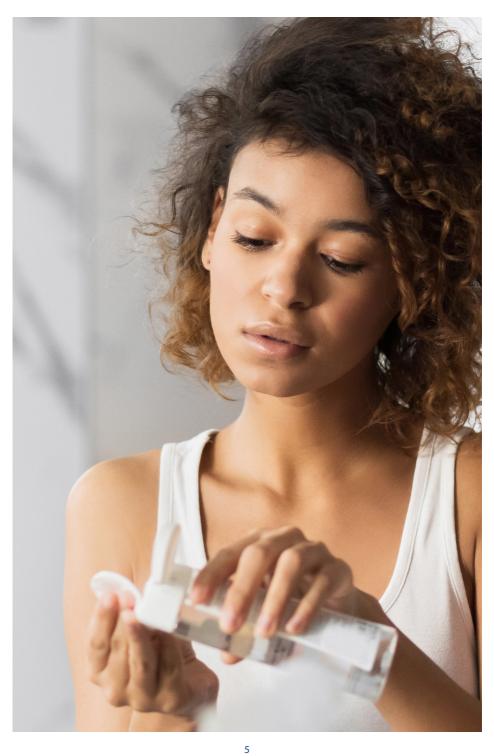
Micellar cleansing liquid [KD-205]

Phase	INCI name	Brand name	Concentration [%]	Function
Α	Aqua	-	81.00	solvent
Α	PEG-40 Hydrogenated Castor Oil	ROKAcet HR40W	8.00	surfactant
Α	Parfum	-	0.20	fragrance
Α	Sodium Benzoate, Potassium Sorbate	-	0.50	preservative
Α	PEG-4 Rapeseedamide	ROKAmid MRZ4	4.00	surfactant
А	Hexylene Glycol	-	6.00	solvent
Α	Citric acid	-	0.30	pH adjuster

Appearance	visual method	transparent liquid	
рН		4.5 – 5.5	
Stability	1 month in 5°C, 20°C, 40°C	confirmed	

Procedure:

1. Add all ingredients from phase A into one vessel and mix until homogenous solution is obtained.



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The information in the catalogue is believed to be accurate and compiled to the best of our knowledge; however, it should be considered as introductory only. Detailed information about our products is available in TDS and MSDS.

he suggestions for product applications are based on our best knowledge

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