
PCC
ROKAcet CC6
PEG-6 Caprylic
/Capric Glycerides
Local. Global. Integrated.

Description

- excellent emulsifying and binding properties,
- good solubility in water,
- effective rheology modifier,
- universal use,
- very good washing, moisturizing and fixing properties.

Application

- shampoos,
- face and hair tonics,
- shower gels,
- face washing gels,
- make-up removers,
- body lotions,
- aftershave water,
- bases for care creams,
- essential oils,
- cosmetic dyes.

in line with cosmetic trends

guarantee the consumer satisfaction

improvement of Personal Care formulations

innovative product

value for money

ROKAcet CC6

PEG-6 Caprylic/Capric Glycerides

Chemical name	Glycerides, C8-10 mono-, di- and tri-, ethoxylated	
INCI name	PEG-6 Caprylic/Capric Glycerides	
CAS number	308067-11-0	
Function	Non-ionic surfactant, emulsifier, rheology modifier	
Technical requirements	Appearance at temperature (20÷25)°C	clear liquid
	Colour in Hazen scale (20÷25)°C	max 150
	Acidity value, mg KOH/g	max 3
	Saponification number mg KOH/g	90 ÷ 100
	pH of 5% solution	5.0 ÷ 7.5
	Water, %(m/m)	max 1
General data	Solubility in water	soluble
	Density at 25°C, g/mL	approx. 1.08
	Odour	characteristic
	Flash point, °C	above 200

Make-up removing liquid

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	–	92.19	solvent
A	Betaine	–	0.25	active substance
B	**PEG-6 Caprylic/Capric Glycerides**	**ROKAcet CC6**	**4.00**	**surfactant**
B	Glycerin	–	1.00	moisturizer
B	**Poloxamer 184**	**EXOmer L64**	**0.20**	**surfactant**
C	**Trideceth-9 (and) PEG-40 Hydrogenated Castor Oil (and) Aqua**	**EXOcare HTW1**	**1.00**	**solubilizer**
C	Phenoxyethanol, Ethylhexylglycerin	–	1.00	preservative
C	Parfum	–	0.30	fragrance
C	Citric acid	–	0.06	pH adjuster

Appearance	visual method	transparent liquid
pH		5.5 – 6.5
Stability	1 month in 5°C, 20°C, 40°C	confirmed

Procedure:

1. In main beaker mix Aqua with Betaine (phase A).
2. Add phase B to phase A and mix.
3. In other beaker mix phase C.
4. To the main beaker add phase C and add Citric Acid.
5. Check pH, if necessary add more Citric Acid to 5.5 – 6.5.

Moisturizing body mousse

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	–	29.30	solvent
A	Sodium Cocoyl Isethionate	–	10.00	surfactant
B	Sorbitol	–	16.00	active
B	Sodium Benzoate	–	0.50	preservative
B	Potassium Sorbate	–	0.30	preservative
C	Glycerin	–	38.00	active
C	Caprylyl/Myristyl Glucoside	–	0.60	surfactant
C	Panthenol	–	0.20	active
D	**Disodium Laureth Sulfosuccinate**	**EXOsoft L3/40**	**3.00**	**surfactant**
D	**PEG-6 Caprylic/Capric Glycerides**	**ROKAcet CC6**	**1.50**	**surfactant**
D	Lactic Acid	–	0.30	pH adjuster
E	Parfum	–	0.30	fragrance
E	CI 17200	–	q.s.	dye
E	CI 42090	–	q.s.	dye

Appearance	visual method	violet paste
pH		5.0 – 5.5
Stability	1 month in 5°C, 20°C, 40°C	confirmed

Procedure:

1. Add Sodium Cocoyl Isethionate to warm water (50-55°C), homogenize.
2. Cool the batch down to at least 35°C.
3. Add Sorbitol and homogenize.
4. Add Sodium Benzoate and Potassium Sorbate, homogenize until uniform.
5. Next add Caprylyl/Myristyl Glucoside, Glycerin and Panthenol (phase C), homogenize.
6. Add EXOsoft L3/40, ROKAcet CC6 and Lactic Acid (phase D), homogenize until uniform.
7. Add phase E.
8. Check pH, if necessary, add more Lactic Acid to 5.0 – 5.5.

3 in 1 shower gel

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	–	66.30	solvent
A	Aqua, Glycerin, Hydrolyzed Caesalpinia Spinosa Gum, Caesalpinia Spinosa Gum	–	1.50	active
A	Glycerin	–	1.50	active
A	PEG-120 Methyl Glucose Dioleate	–	1.10	thickening agent
A	Betaine	–	0.50	active
B	**Ammonium Lauryl Sulfate**	**ROSULfan A**	**10.00**	**surfactant**
B	**Coco-Betaine**	**ROKAmina K30B**	**8.00**	**surfactant**
B	**MIPA Laureth Sulfate, Propylene Glycol**	**SULFOROKAnol L290/1M**	**7.00**	**surfactant**
B	**PEG-6 Caprylic/Capric Glycerides**	**ROKAcet CC6**	**2.00**	**surfactant**
B	**Polysorbate 20**	**ROKwinol 20**	**0.50**	**solubilizer**
C	Glycerin, Aqua, Citrus Aurantium Dulcis Fruit Extract	–	0.60	active
C	Parfum	–	0.40	fragrance
C	Sodium Benzoate	–	0.40	preservative
C	Lactic Acid	–	0.20	pH modifier

Appearance	visual method	gel
pH		4.0 – 5.0
Viscosity [cP]	Brookfield LV, T: 25°C	1000 – 3000

Procedure:

1. In a main beaker mix warm water (40 – 45°C) with PEG-120 Methyl Glucose Dioleate. Mix until homogenous solution is obtained.
2. Cool the batch down to at least 35°C.
3. Add rest ingredients from phase A and mix.
4. Add phase B during mixing. Mix until homogenous solution is obtained.
5. Add phase C while mixing.
6. Check pH, if necessary, add more Lactic Acid to 4.0 – 5.0.

Milky facial cleansing emulsion

Phase	INCI name	Brand name	Concentration [%]	Function
A	Glycerin	–	3.00	active
A	Sclerotium and Xanthan Gum	–	0.70	rheology modifier
B	Aqua	–	74.90	solvent
B	**PEG-6 Caprylic/Caprylic Triglycerides**	**ROKAcet CC6**	**6.00**	**surfactant**
B	Allantoin	–	0.20	active
B	Betaine	–	0.20	active
B	Sorbitol	–	0.20	active
C	**Cetearyl Alcohol**	**EXOalc 1618 FLAKES**	**7.00**	**emulsion stabilizer**
C	**Ceteareth-20**	**ROKAnol T20 FLAKES**	**3.00**	**emulsifier**
D	**C12-15 Alkyl Benzoate**	**EXOsoft AB25**	**3.00**	**emollient**
D	Tocopherol	–	0.60	active
D	Phenoxyethanol, Ethylhexylglycerin	–	0.60	preservative
D	Sodium Polyacrylate	–	0.30	rheology modifier
D	Parfum	–	0.20	fragrance
D	Tetrasodium Glutamate Diacetate	–	0.10	chelators

Appearance	visual method	white emulsion
pH		5.0 – 6.0

Procedure:

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

Moisturizing micellar liquid

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	–	90.70	solvent
A	**PEG-6 Caprylic/Capric Glycerides**	**ROKAcet CC6**	**4.00**	**surfactant**
A	**Trideceth-9 (and) PEG-40 Hydrogenated Castor Oil (and) Aqua**	**EXOcare HTW1**	**1.00**	**solubilizer**
A	Glycerin	–	1.00	solvent
A	Aloe Barbadensis Leaf Extract	–	0.50	active
A	Cucumis Sativus Fruit Extract	–	0.50	active
A	Anthemis Nobilis Flower Extract	–	0.50	active
A	Panthenol	–	0.50	active
A	Phenoxyethanol, Ethylhexylglycerin	–	0.50	preservative
A	Parfum	–	0.40	fragrance
A	Potassium Sorbate	–	0.30	preservative
A	Tetrasodium Glutamate Diacetate	–	0.10	chelators

Appearance	visual method	transparent liquid
pH		4.8 – 5.0

Procedure:

1. In main beaker combine ingredients and mix.
2. Check pH, if necessary add Citric Acid to 4.8 – 5.0.

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Please visit our capital group business platform:
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