



EXOpearl SF

Glycol Distearate (and) Laureth-4
(and) Cocamidopropyl Betaine

Local. Global. Integrated.

Description

- gives a silky, pearly and shiny appearance,
- easy to use in process conditions.



in line with
cosmetic trends

Application

- shampoos,
- bath and shower gels,
- washing and care preparations for children,
- face wash gels,
- liquid soaps,
- preparations for washing and cleaning.



guarantee the
consumer satisfaction



value
for money



improvement of
Personal Care
formulation

EXOp pearl SF

Pearling agent

Chemical name	Mixture of non-ionic and amphoteric surfactants	
INCI name	Glycol Distearate (and) Laureth-4 (and) Cocamidopropyl Betaine	
CAS number	-	
Function	Pearling agent and foam stabilizer	
Technical requirements	Appearance at temperature (20÷25)°C	opaque, white liquid
	Dry matter, %(m/m)	41 ÷ 45
	pH of 10% solution	3.0 ÷ 3.5
Informative data	Solubility in water	forms milky dispersion
	Solidification point, °C	approx. -2
	Density at 20°C, g/mL	0.95 ÷ 1.05
	Preservative (formic acid), %	approx. 0.3

Moisturizing shower gel

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	-	66.00	solvent
A	Glycerin	-	1.70	active
A	Panthenol	-	1.00	active
A	Glycerin, Aqua, Mangifera Indica Fruit Extract, Sodium Benzoate, Potassium Sorbate	-	0.80	active
A	Glycerin, Aqua, Aloe Barbadensis Leaf Extract	-	0.80	active
B	Sodium Lauryl Sulfate	ROSULfan L	15.00	surfactant
B	Cocamidopropyl Betaine	ROKAmina K30	10.00	surfactant
B	Sodium Lauroyl Sarcosinate	ROKAtend LS	1.50	surfactant
B	PEG-7 Glyceryl Cocoate	ROKAcet KO300G	1.00	re-oiling agent
C	Glycol Distearate, Laureth-4, Cocoamidopropyl Betaine	EXOpEarl SF	1.20	pearling agent
D	Sodium Benzoate	-	0.40	preservative
D	Parfum	-	0.30	fragrance
E	Sodium Chloride	-	0.30	rheology modifier

Appearance	visual method	gel with pearl effect
pH		5.0 – 6.5
Viscosity [cP]	Brookfield LV, T: 25°C	3000 – 6000
Stability	1 month in 5°C, 20°C, 40°C	confirmed

Procedure:

1. In a main beaker mix active substances of phase A.
2. Add Aqua and mix.
3. Add phase B during mixing. Mix until homogenous solution is obtained.
4. Add phase C – E ingredients while mixing.
5. Check pH, if is necessary add Lactic Acid to 5.0 – 6.5

Shower gel with carbon

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	-	66.15	solvent
A	Glycerin	-	3.00	solvent
A	Xanthan Gum	-	0.40	rheology modifier
B	Sodium Lauroyl Sarcosinate	ROKAtend LS	15.00	surfactant
B	Cocamidopropyl Betaine	ROKAmina K30	8.00	surfactant
B	Sodium Coco Sulfate	ROSULfan C/PH	4.00	surfactant
B	PEG-7 Glyceryl Cocoate	ROKAcet KO300G	1.00	re-oiling agent
C	Glycol Distearate, Laureth-4, Cocoamidopropyl Betaine	EXOp pearl SF	0.80	pearling agent
C	Styrene/Acrylates Copolymer, Coco-Glucoside	-	0.40	opacifier
D	Sodium Benzoate	-	0.40	preservative
D	Parfum	-	0.25	fragrance
E	Activated Charcoal	-	0.30	black color additive
F	Lactic Acid	-	0.30	pH adjuster

Appearance	visual method	black gel with pearl effect
pH		5.0 – 6.5
Viscosity [cP]	Brookfield LV, T: 25°C	2000 – 7000
Stability	1 month in 5°C, 20°C, 40°C	confirmed

Procedure:

1. In a main beaker mix Xanthan Gum with Glycerin. Next add to warm water (40 – 45°C). Mix until homogenous solution is obtained.
2. Cool the batch down to at least 35°C.
3. Add phase B during mixing. Mix until homogenous solution is obtained.
4. Add phase C – F ingredients while mixing.
5. If it is necessary add more Lactic Acid to 5.0 – 6.5

Mild intimate hygiene emulsion

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	-	70.15	solvent
A	Sodium Coco Sulfate	ROSULfan C/PH	20.00	surfactant
A	Disodium Laureth Sulfosuccinate	EXOsoft L3/40	1.00	surfactant
A	Coco Betaine	ROKamina K30B	6.00	surfactant
B	Glycerin	-	0.60	active
B	Sodium Lactate	-	0.60	active
B	Panthenol	-	0.60	active
B	Parfum	-	0.25	fragrance
C	Sodium Benzoate	-	0.40	preservative
D	Glycol Distearate, Laureth-4, Cocoamidopropyl Betaine	EXOpEarl SF	1.00	pearling agent
E	Lactic Acid	-	0.30	pH adjuster

Appearance	visual method	white emulsion with pearl effect
pH		4.0 – 4.8
Viscosity [cP]	Brookfield LV, T: 25°C	1000 – 5000
Stability	1 month in 5°C, 20°C, 40°C	confirmed

Procedure:

1. Add ingredients from phase A to warm water (40 – 45°C). Mix until homogenous solution is obtained.
2. Cool the batch down to at least 35°C.
3. Add phase B during mixing. Mix until homogenous solution is obtained.
4. If it is necessary add more Lactic Acid to 4.0 – 4.8

Pearl luxury hand soap

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	-	73.25	solvent
A	Glycerin	-	1.50	solvent
A	Xanthan Gum	-	0.80	rheology modifier
B	Cocamidopropyl Betaine	ROKAmina K30	8.00	surfactant
B	Sodium Laureth Sulfate	SULFOROKAnol L270/1	6.30	surfactant
B	Sodium Coco Sulfate	ROSulfan C/PH	4.00	surfactant
B	TIPA Laureth Sulfate, Propylene Glycol	SULFOROKAnol L385/1T	0.90	surfactant
B	Disodium Laureth Sulfosuccinate	EXOsoft L3/40	0.90	surfactant
C	Glycol Distearate, Laureth-4, Cocoamidopropyl Betaine	EXOppearl SF	0.80	pearling agent
C	Coco-Glucoside	-	2.00	opacifier
D	PPG-15 Stearyl Ether	ROKAnol SP15L	0.20	surfactant
E	Sodium Benzoate	-	0.40	preservative
E	Parfum	-	0.35	fragrance
F	Mica, Iron Oxide	-	0.30	additives
G	Citric Acid	-	0.30	pH adjuster

Appearance	visual method	orange/red gel with pearl effect
pH		4.0 – 5.5
Viscosity [cP]	Brookfield LV, T: 25°C	2000 – 7000
Stability	1 month in 5°C, 20°C, 40°C	confirmed

Procedure:

1. In a main beaker mix Xanthan Gum with Glycerin. Next add to warm water (40 – 45°C). Mix until homogenous solution is obtained.
2. Cool the batch down to at least 35°C.
3. Add phase B during mixing. Mix until homogenous solution is obtained.
4. Add phase C – F ingredients while mixing – mix until uniform.
5. Adjust pH by Lactic Acid to 4.0 – 5.5

2 in 1 shampoo and conditioner

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	-	64.10	solvent
A	Glycerin	-	1.00	solvent
A	Xanthan Gum	-	0.30	rheology modifier
B	Zinc Coceth Sulfate	-	20.00	surfactant
B	Cocamidopropyl Betaine	ROKAmina K30	6.00	surfactant
B	Sodium Laureth Sulfate	SULFOROKAnol L270/1	4.60	surfactant
C	Glycol Distearate, Laureth-4, Cocoamidopropyl Betaine	EXOpEarl SF	1.00	pearling agent
D	Panthenol	-	0.10	active
D	Polyquaternium-7	-	1.00	conditioning agent
D	PEG-120 Methyl Glucose Dioleate	-	0.70	thickener
D	Parfum	-	0.50	fragrance
E	Sodium Benzoate	-	0.40	preservative
F	Lactic Acid	-	0.30	pH adjuster

Appearance	visual method	white gel with pearl effect
pH		4.7 – 5.5
Viscosity [cP]	Brookfield LV, T: 25°C	5000 – 8000
Stability	1 month in 5°C, 20°C, 40°C	confirmed

Procedure:

1. In a main beaker mix Xanthan Gum with Glycerin. Next add to warm water (40 – 45°C).
Mix until homogenous solution is obtained.
2. Cool the batch down to at least 35°C.
3. Add phase B during mixing. Mix until homogenous solution is obtained
4. Add phase C – F ingredients while mixing – mix until uniform.
5. If it is necessary add more Lactic Acid to 4.7 – 5.5

Beard Shampoo

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	-	69.20	solvent
A	Potassium Cocoate	EXOsoft PC35	10.00	surfactant
A	Potassium Oleate	EXOsoft PO30	8.00	surfactant
A	Cocamidopropyl Betaine	ROKamina K30	6.00	surfactant
B	Glycerin	-	1.50	active
B	Panthenol	-	0.50	active
B	Polyquaternium-10	-	0.50	conditioning agent
C	Humulus Lupulus Flower Extract	-	0.50	active
C	Parfum	-	0.50	fragrance
C	Glycol Distearate, Laureth-4, Cocoamidopropyl Betaine	EXOpearl SF	0.30	pearling agent
D	Phenoxyethanol	-	1.00	preservative
D	Lactic Acid	-	0.20	pH modifier
E	Sodium Chloride	-	1.80	viscosity modifier

Appearance	visual method	yellow gel with pearl effect
pH		8.5 – 12.0
Viscosity [cP]	Brookfield LV, T: 25°C	1500 – 3000
Stability	1 month in 5°C, 20°C, 40°C	confirmed

Procedure:

1. Add ingredients from phase A to warm water (40 – 45°C). Mix until homogenous solution is obtained.
2. Cool the batch down to at least 35°C.
3. Add phase B – D during mixing. Mix until homogenous solution is obtained.
4. Adjust Sodium Chloride to adjust the viscosity.

NOTE Add salt (not in one go) – after addition of each portion mix well.

Pearl shampoo for daily care

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	-	59.40	solvent
A	Betaine	-	2.00	active
A	Sodium Benzoate, Potassium Sorbate	-	0.70	preservative
A	Lactic Acid	-	0.25	pH adjuster
B	Ammonium Lauryl Sulfate	ROSULfan A	30.00	surfactant
C	Cocamidopropyl Betaine	ROKAmina K30	5.00	surfactant
D	Parfum	-	0.35	fragrance
E	Glycol Distearate, Laureth-4, Cocoamidopropyl Betaine	EXOpEarl SF	1.00	pearling agent
F	Sodium Chloride	-	1.30	thickener

Appearance	visual method	pearl gel
pH		4.5 – 5.5
Viscosity [cP]	Brookfield LV, T: 25°C	2500 – 6000

Procedure:

1. In a main vessel combine ingredients from phase A. Mix until uniform.
2. Add ROSULfan A while mixing.
3. Add slowly phase C – D and mix until uniform.
4. Add EXOpEarl SF and in small portions add Sodium Chloride. Mix until uniform.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



PCC Exol SA

Sienkiewicza 4

56-120 Brzeg Dolny, Poland

products@pcc.eu

Please visit our capital group business platform:

www.products.pcc.eu



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