



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	EXOpearl 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	EXOpearl 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.



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