



# EXOcare ML70

Sodium Laureth Sulfate (and)  
Cocamide MEA

Local. Global. Integrated.

## Description

- concentrated mixture of basic surfactants,
- especially recommended for use in cold-processed cosmetic formulations,
- easy-to-process blend,
- excellent cleaning, thickening, properties,
- foam stabilizer,
- recommended dose up to 20%,
- recommended pH of the final formulation 4.0 - 9.0.

## Application

- liquid/gel hand soaps, shower gels,
- body wash, bath preparations,
- shampoos, hair conditioners,
- household detergents,
- dishwashing liquids.



## EXOCare ML70

### Sodium Laureth Sulfate (and) Cocamide MEA

Chemical name	Mixture of surfactants	
INCI name	Sodium Laureth Sulfate (and) Cocamide MEA	
Function	Cleaning, thickening, foaming agent, foam stabilizer	
Technical requirements	Appearance at temperature (20÷25)°C	viscous paste
	pH of 20% solution product	9.5 ÷ 11.5
	Anionic active matter, %(m/m)	48 ÷ 52
	Water, %(m/m)	28 ÷ 32
General data	Solubility in water	good
	Solidification point, °C	approx. 2
	Density at 25°C, g/mL	approx. 1.00

## Hand soap gel [KD-43]

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	–	up to 100	solvent
A	Sodium Laureth Sulfate, Cocamide MEA	EXOcare ML70	8.00	surfactant
A	Sodium Benzoate, Potassium Sorbate	–	0.50	preservative
A	Lactic Acid	–	0.25	pH adjuster
A	Allantoin	–	0.05	active
A	CI 17200	–	q.s	colorant
B	Parfum	–	0.30	fragrance
B	Cocamidopropyl Betaine	ROKAmina K30K	4.00	surfactant
C	Sodium Chloride	–	0.70	thickener

<b>Appearance</b>	visual method	sticky gel
<b>pH</b>		4.6 - 5.3
<b>Viscosity [cP]</b>	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	3000 - 10000
<b>Stability</b>	1 month in 5°C, RT, 40°C	confirmed

### Procedure:

1. Combine ingredients from phase A. Mix until uniform.
2. Add slowly Parfum and ROKAmina K30K while mixing – mix until uniform. Mix until uniform.
3. Add slowly Sodium Chloride while mixing. Mix until uniform.

## Cleansing body gel [KD-121]

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	-	up to 100	solvent
A	Sodium Laureth Sulfate, Cocamide MEA	EXOcare ML70	5.00	surfactant
A	Sodium Benzoate, Potassium Sorbate	-	0.50	preservative
A	Lactic Acid	-	0.25	pH adjuster
A	PEG-7 Glyceryl Cocoate	ROKAcet KO300G	2.00	surfactant
B	Parfum	-	0.25	fragrance
B	Cocamidopropyl Betaine	ROKAmina K30	8.00	surfactant
C	Sodium Chloride	-	0.50	thickener

<b>Appearance</b>	visual method	viscous gel
<b>pH</b>		4.6 - 5.3
<b>Viscosity [cP]</b>	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	3000 - 10000
<b>Stability</b>	1 month in 5°C, RT, 40°C	confirmed

### Procedure:

1. Combine ingredients from phase A. Mix until uniform.
2. Add slowly Parfum and ROKAmina K30 while mixing – mix until uniform.
3. Add slowly Sodium Chloride while mixing. Mix until uniform.

## Urea shower gel [KD-123]

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	–	up to 100	solvent
A	Sodium Laureth Sulfate, Cocamide MEA	EXOcare ML70	5.00	surfactant
A	Sodium Laureth Sulfate	SULFOROKAnol L270/1	8.00	surfactant
A	Glycerin	–	2.00	solvent
A	Sodium Benzoate, Potassium Sorbate	–	0.70	preservative
A	Lactic Acid	–	1.00	buffering agent
A	Sodium Lactate	–	1.40	buffering agent
A	Arginine	–	0.50	active
A	Urea	–	4.00	humectant
B	Parfum	–	0.50	fragrance
C	Cocamidopropyl Betaine	ROKamina K30	6.00	surfactant
D	Sodium Chloride	–	1.50	thickener

<b>Appearance</b>	visual method	gel
<b>pH</b>		4.7 - 5.7
<b>Viscosity [cP]</b>	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	2500 - 10000
<b>Stability</b>	1 month in 5°C, RT, 40°C	confirmed

### Procedure:

1. In a main vessel combine ingredients from phase A – mix until uniform (cloudy solution).
2. Prepare the remaining ingredients in a separate beakers.
3. Add ingredients from phase B – mix until uniform.
4. Add slowly ROKamina K30 while mixing – mix until uniform.
5. Add slowly Sodium Chloride while mixing – mix until uniform.

## Shampoo and conditioner 2 in 1 [KD-125]

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	–	up to 100	solvent
A	Sodium Laureth Sulfate, Cocamide MEA	EXOcare ML70	12.00	surfactant
A	Zinc Coceth Sulfate	–	10.00	surfactant
A	Polyquaternium-7	–	1.00	film forming agent
B	Sodium Benzoate, Potassium Sorbate	–	0.50	preservative
B	Lactic Acid	–	0.25	pH adjuster
B	CI 77891, Mica	–	0.05	colorant
B	PEG-7 Glyceryl Cocoate	ROKAcet KO300G	1.00	surfactant
C	Sodium Laureth Sulfate, Cocamide DEA, Glycol Distearate	EXOppearl N	1.00	pearlescent agent
D	Parfum	–	0.50	fragrance
E	Cocamidopropyl Betaine	ROKAmina K30	6.00	surfactant
F	Sodium Chloride	–	0.50	thickener

<b>Appearance</b>	visual method	pearly gel
<b>pH</b>		4.7 - 5.5
<b>Viscosity [cP]</b>	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	5000 - 12000
<b>Stability</b>	1 month in 5°C, RT, 40°C	confirmed

### Procedure:

1. In a main vessel combine ingredients from phase A – mix until uniform (cloudy solution).
2. Prepare the remaining ingredients in a separate beakers.
3. Add ingredients from phase B – mix until uniform.
4. Add phase C-D ingredients while mixing – mix until uniform.
5. Add slowly ROKAmina K30 while mixing – mix until uniform.
6. Add slowly Sodium Chloride while mixing – mix until uniform.

## Men body wash gel [KD-126]

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	–	up to 100	solvent
A	Sodium Laureth Sulfate, Cocamide MEA	EXOcure ML70	19.00	surfactant
B	Acrylates Copolymer	–	6.00	rheology modifier
B	Aqua	–	6.00	solvent
C	Sodium Hydroxide	–	0.20	pH adjuster
C	Phenoxyethanol	–	0.80	preservative
D	Sodium Chloride	–	0.50	thickener
E	Petrolatum	–	3.00	emollient
F	Parfum	–	0.50	fragrance
G	CI 42090	–	q.s	colorant

<b>Appearance</b>	visual method	blue, viscous gel
<b>pH</b>		6.0 - 7.5
<b>Stability</b>	1 month in 5°C, RT, 40°C	confirmed

### Procedure:

1. Combine ingredients from phase A and B in separate vessel – mix until uniform.
2. Add slowly phase B ingredients to phase A while mixing – mix until uniform. In a separate vessels prepare others ingredients.
3. Add preservative and pH adjuster while mixing – mix until uniform.
4. Add phase E, F and G while mixing – mix until uniform.

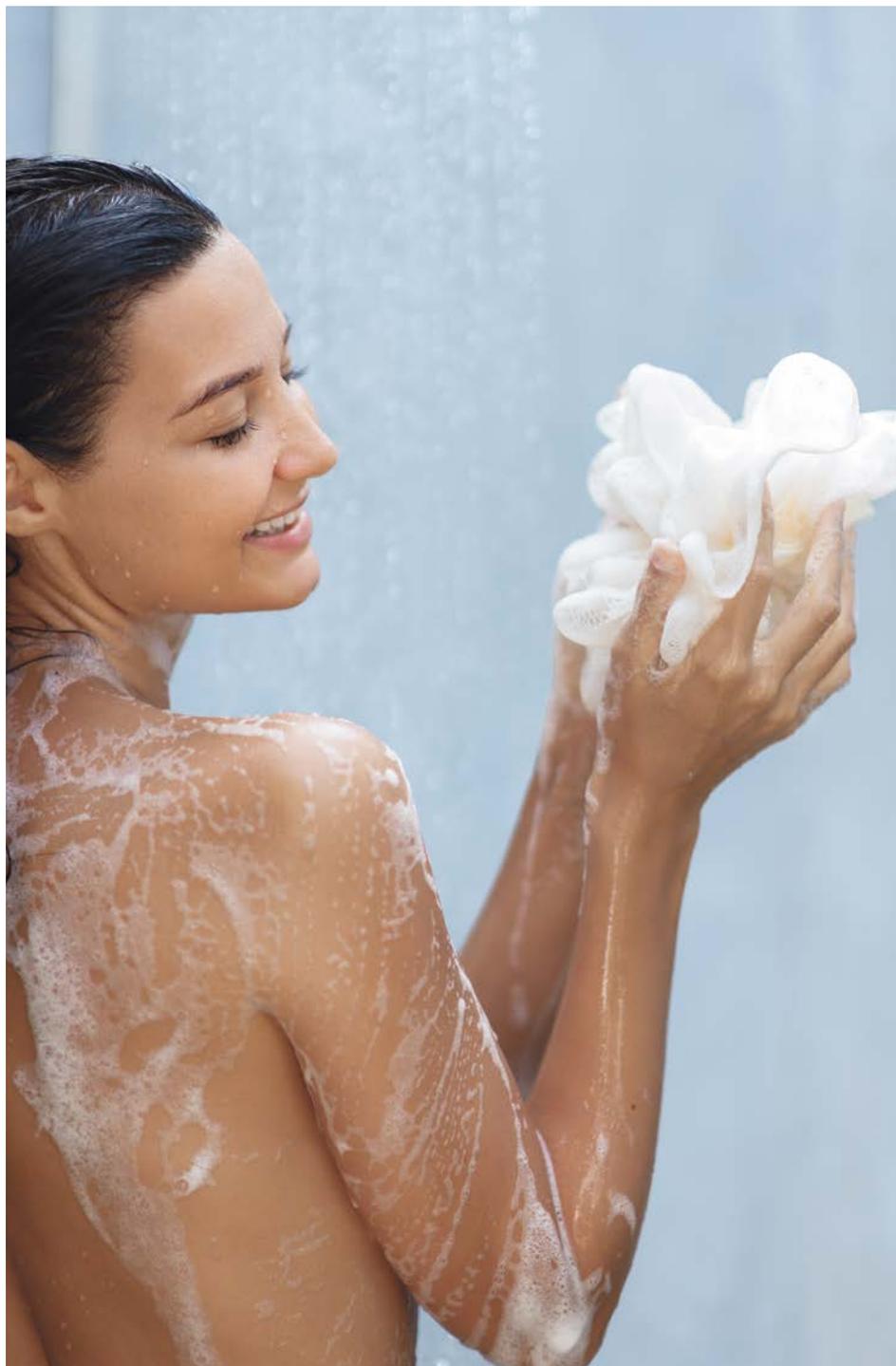
## Cooling shower gel [KD-127]

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua	–	up to 100	solvent
A	Sodium Laureth Sulfate, Cocamide MEA	EXOcare ML70	18.00	surfactant
A	Betaine	–	1.00	active
A	Sodium Benzoate, Potassium Sorbate	–	0.60	preservative
A	Lactic Acid	–	0.20	buffering agent
A	Allantoin	–	0.10	active
A	CI 19140	–	q.s	colorant
A	CI 42090	–	q.s	colorant
B	Menthol	–	0.10	refreshing agent
B	Parfum	–	0.50	fragrance
B	PPG-5-Laureth-5	ROKAnol LP31	0.50	solubilizer
C	Sodium Chloride	–	1.00	thickener

<b>Appearance</b>	visual method	green gel
<b>pH</b>		4.7 - 5.5
<b>Viscosity [cP]</b>	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	2500 - 9000
<b>Stability</b>	1 month in 5°C, RT, 40°C	confirmed

### Procedure:

1. In a main vessel combine ingredients from phase A – mix until uniform.
2. Combine ingredients from phase B – mix until uniform.
3. Add ingredients from phase B – mix until uniform.
4. Add slowly Sodium Chloride while mixing – mix until uniform.









**PCC Exol SA**  
Sienkiewicza 4  
56-120 Brzeg Dolny, Poland  
products@pcc.eu

Please visit our capital group business platform:  
[www.products.pcc.eu](http://www.products.pcc.eu)



January 2026

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