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.

in line with cosmetic trends

guarantee the consumer satisfaction

improvement of Personal Care formulations

innovative product

value for money

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

Appearance	visual method	sticky gel
pH		4.6 - 5.3
Viscosity [cP]	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	3000 - 10000
Stability	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

Appearance	visual method	viscous gel
pH		4.6 - 5.3
Viscosity [cP]	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	3000 - 10000
Stability	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

Appearance	visual method	gel
pH		4.7 - 5.7
Viscosity [cP]	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	2500 - 10000
Stability	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**	**EXOpearl N**	**1.00**	**surfactant**
D	Parfum	–	0.50	fragrance
E	**Cocamidopropyl Betaine**	**ROKAmina K30**	**6.00**	**surfactant**
F	Sodium Chloride	–	0.50	thickener

Appearance	visual method	pearly gel
pH		4.7 - 5.5
Viscosity [cP]	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	5000 - 12000
Stability	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**	**EXOcare 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, Methylparaben, Ethylparaben, Propylparaben	–	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

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

Procedure:

1. Combine ingerdients 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 L5P5**	**0.50**	**surfactant**
C	Sodium Chloride	–	1.00	thickener

Appearance	visual method	green gel
pH		4.7 - 5.5
Viscosity [cP]	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	2500 - 9000
Stability	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.

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