SULFOROKAnol L290/1M

MIPA LAURETH SULFATE (AND) PROPYLENE GLYCOL

Description

- highly concentrated form of the product,
- gentle, does not irritate the skin,
- perfect foaming properties,
- biodegradable,
- very good emulsifying, dispersing, thickening, solubilizing properties,
- generates high and stable foam,
- creates microemulsions in oil rich systems.

Application

- shower oils,
- dishwashing liquids,
- bath oils for atopic skin,
- anti-acne face wash foams,
- shampoos,
- shaving foams,
- gentle baby shampoos,
- peelings,
- hand wash preparations for very dirty hands,
- hand wash oils for dry and sensitive skin,
- baby bath gels,
- shower foams.

in line with cosmetic trends

guarantee the consumer satisfaction

improvment of Personal Care formulations

innovative product

value for money

SULFOROKAnol L290/1M

MIPA LAURETH SULFATE (AND) PROPYLENE GLYCOL

Chemical name	Alcohols C12-14, ethoxylated (≥2 EO), sulfated, monoisopropanolamine salts, propylene glycol	
INCI name	MIPA Laureth Sulfate (and) Propylene Glycol	
CAS number	1187742-72-8	
Function	Mild anionic surfactant, cleaning agent	
Technical requirements	Appearance at temperature (20÷25)°C	viscous liquid
	Active substance, %(m/m)	82 ÷ 88
	pH of 2% solution	6 ÷ 8
	Iodine colour number 50% (m/m) in propylene glycol solution at temperature (20÷25)°C	max 6
	Unsulphated substances, %(m/m)	max 5
General data	Molecular weight, g/mol	approx. 438
	Water content, %(m/m)	max 1
	Propylene glycol%(m/m)	approx. 11
	Density at 20°C, g/mL	approx. 1.06
	Viscosity at 20°C, cP	approx. 2000
	Solidification point, °C	approx. 2

Mild body wash emulsion

Phase	INCI name	Brand name	Concentration [%]	Function
A	Sclerotium gum (and) Xanthan gum	–	0.30	rheology modifier
A	Glycerin	–	2.00	solvent
B	**Ceteareth-25**	**ROKAnol T25**	**2.00**	**emulsifier**
B	**Cetearyl Alcohol**	**EXOalc 1618 flakes**	**3.00**	**emulsion stabilizer**
B	Helianthus Annuus Seed Oil	–	10.00	emollient
B	Stearic Acid	–	1.00	rheology modifier
B	Aqua	–	72.55	solvent
C	**MIPA Laureth Sulfate and Propylene Glycol**	**SULFOROKAnol L290/1M**	**2.00**	**surfactant**
C	**Sodium Lauroyl Sarcosinate**	**ROKAtend LS**	**5.00**	**surfactant**
C	Phenoxyethanol, Ethylhexylglycerin	–	1.00	preservative
C	Parfum	–	1.00	fragrance
C	Lactic Acid	–	0.15	pH adjuster

APPEARANCE	visual method	white emulsion
pH		5.0-6.0
STABILITY	1 month in 5°C, 20°C, 40°C	confirmed

PROCEDURE

1. Formulation should be prepared in vacuum homogenizer.
2. In a beaker mix sclerotium and Xanthan Gum with Glycerin (phase A).
3. In main vessel combine ingredients from phase B.
4. Mix phase A with phase B, heat to 60°C and homogenize under vacuum.
5. Cool the batch down to 50°C.
6. Add ingredients from phase C and mix slowly.
7. Cool the batch down to 25°C.
8. Check pH, if necessary, add more Lactic Acid to 5.0-6.0.

Hand bar

Phase	INCI name	Brand name	Concentration [%]	Function
A	**PEG-135**	**POLIkol 6000**	**12.00**	**thickener**
A	Cera Alba	–	3.00	thickener
A	**Cetearyl Alcohol**	**EXOalc 1618**	**20.50**	**thickener**
A	Hydrogenated castor oil	–	17.00	thickener
A	Stearic Acid	–	2.00	rheology modifier
B	**MIPA Laureth Sulfate, Propylene Glycol**	**SULFOROKAnol L290/1M**	**31.80**	**surfactant**
B	**Cocamidopropyl Betaine**	**ROKAmina K30**	**10.00**	**surfactant**
B	Glycerin	–	3.00	solvent
C	Citric acid	–	0.50	pH adjuster
D	Parfum	–	0.10	fragrance
D	CI 16184	–	0.10	dye

APPEARANCE	visual method	red solid
STABILITY	1 month in 5°C, 20°C, 40°C	confirmed

PROCEDURE

1. Add ingredients from phase A into main vessel and heat up to 80°C and then mix.
2. Add ingredients from phase B then mix until homogenous solution is obtained.
3. Cool down solution to 70°C and add phase C ingredients and mix well.
4. Cool down solution to 65°C and add phase D and mix until homogenous solution is obtained.

Moisturizing bath & shower oil

Phase	INCI name	Brand name	Concentration [%]	Function
A	Helianthus Annuus Seed Oil	–	32.00	emollient
A	Argania Spinosa Seed Oil	–	14.00	emollient
A	Tocopheryl Acetate	–	1.00	active
B	**MIPA Laureth Sulfate, Propylene Glycol**	**SULFOROKAnol L290/1M**	**25.00**	**surfactant**
C	**Laureth-2**	**ROKAnol LK2**	**25.00**	**surfactant**
D	Parfum	–	3.00	fragrance

APPEARANCE	visual method	slightly yellowish viscous liquid
VISCOSITY [cP]	Brookfield LV, spindle 34, speed 6.0 RPM, T:25°C	100-300
STABILITY	1 month in 5°C, 20°C, 40°C	confirmed

PROCEDURE

1. Combine ingredients from phase A. Mix until uniform.
2. Add SULFOROKAnol L290/1M (phase B) and mix.
3. Next add ROKAnol LK2 (phase C) and mix until clear solution is obtained.
4. Add Parfum (phase D) and mix.

Gel with scrub for washing & massaging the face & body

Phase	INCI name	Brand name	Concentration [%]	Function
A	Glycerin	–	3.00	active
A	Sclerotium gum (and) Xanthan gum	–	2.00	thickener
A	Sodium Benzoate	–	0.40	preservative
A	Aqua	–	80.90	solvent
B	**MIPA Laureth Sulfate (and) Propylene Glycol**	**SULFOROKAnol L290/1M**	**5.00**	**surfactant**
B	**Cocamidopropyl Betaine**	**ROKAmina K30**	**6.00**	**surfactant**
B	**Sodium Lauroyl Sarcosinate**	**ROKAtend LS**	**1.00**	**surfactant**
B	**Disodium Laureth Sulfosuccinate**	**EXosoft L3/40**	**0.50**	**surfactant**
C	Parfum	–	0.50	fragrance
C	Jojoba Esters	–	0.50	peeling
C	CI 42090	–	0.01	dye
C	Citric Acid	–	0.10	pH adjuster

APPEARANCE	visual method	green gel with peeling
pH		5.5-5.8
VISCOSITY [cP]	Brookfield LV, spindle 34, speed 6.0 RPM, T:25ºC	100 000-160 000
STABILITY	1 month in 5°C, 20°C, 40°C	confirmed

PROCEDURE

1. In main beaker add Sodium Benzoate to Aqua and mix.
2. Sclerotium and Xanthan Gum mix with Glycerin. In the next step add this to main beaker.
3. Mix until homogenous solution is obtained.
4. Add phase B during mixing to main beaker. Mix until homogenous solution is obtained.
5. Add ingredients from phase C to the main beaker and mix.
6. Check pH, if necessary add more citric acid to 5.5-5.8.

Shower oil with glicerin

Phase	INCI name	Brand name	Concentration [%]	Function
A	Isopropyl Palmitate	–	15.00	solvent
A	Aqua	–	5.00	solvent
A	Sodium Benzoate	–	0.20	preservative
A	Potassium Sorbate	–	0.20	preservative
B	Glycerin	–	50.24	active
C	**MIPA Laureth Sulfate (and) Propylene Glycol**	**SULFOROKAnol L290/1M**	**4.76**	**surfactant**
C	Helianthus Annus Seed Oil	–	24.00	active
D	Parfum	–	0.40	fragrance
D	Citric Acid	–	0.20	pH adjuster

APPEARANCE	visual method	viscous liquid
VISCOSITY [cP]	Brookfield LV, spindle 34, speed 6.0 RPM, T:25°C	3000-5000
STABILITY	1 month in 5°C, 20°C, 40°C	confirmed

PROCEDURE

1. Add ingredients from phase A and mix.
2. Add Glycerin and mix.
3. Add ingredients from phase C to the main vessel and mix.
4. Add Parfum.

www.products.pcc.eu

PCC Exol