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Exol

*Designed with
the thought
about you*

EXOsoft PC35

POTASSIUM COCOATE

Description

- excellent foam capabilities
- bright color
- low odor
- naturally - derived
- preservative - free
- excellent choice for sulfate-free formulations
- excellent thickening abilities

Application

- shampoos
- bar soaps
- liquid hand soaps
- industrial hand soaps
- surgical scrub soaps
- hard surface cleaners



in line with
cosmetic trends



guarantee the
consumer satisfaction



improvement of Personal
Care formulations



innovative
product



value
for money

EXOsoft PC35 POTASSIUM COCOATE

Chemical name	Fatty acids, potassium salts	
INCI name	Potassium Cocoate	
CAS number	61789-30-8	
Function	Thickener, emulsifier, foaming agent, cleansing agent, moisturizer	
Technical requirements	Appearance at temperature (20÷25)°C	liquid
	Colour (Gardner units) at (20÷25)°C	max. 3
	pH of 10% solution product	10 ÷ 12
	Dry matter, %(m/m)	34 - 36
General data	Molecular weight, g/mol	260
	Solidification point, °C	approx. -5
	Viscosity at 25°C, cP	max. 100
	Density at 20°C, g/mL	approx. 1.03
	Preservative	none

Shaving cream [KD-149]

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua		47.50	solvent
	Acrylates Copolymer		6.00	rheology modifier
B	Potassium Hydroxide		1.00	pH adjuster
C	Ceteareth-25, Cetearyl Alcohol	EXOcare TE25 flakes	4.00	emulsifier
	Palmitic Acid		1.00	rheology modifier
	Stearic Acid		1.00	rheology modifier
D	Magnesium Aluminum Silicate		1.00	rheology modifier
E	Potassium Cocoate	EXOsoft PC35	14.00	surfactant
	Sodium Laureth Sulfate	SULFOROKAnol L227/1	13.00	surfactant
	Coco Betaine	ROKAmina K30B	10.00	surfactant
	Phenoxyethanol, Ethylhexylglycerin		1.00	preservative
	Parfum		0.50	fragrance



APPEARANCE	visual method	creamy emulsion
pH		7.5 – 8.5
STABILITY	1 month in 5°C, 20°C, 40°C	confirmed

1. In a main vessel combine ingredients from phase A - mix until uniform. Add Potassium Hydroxide - mix until uniform.

2. In a separate vessel combine ingredients from phase C. Heat the phase A and C up to 75-80°C (separately).


3. Add phase C to A while mixing. Homogenize
- with 2500-3500 RPM, 90 sec. Add Magnesium Aluminum Silicate (phase D) - homogenize with 2500-3500 RPM, 90 sec.

4. Prepare the remaining ingredients in separate beakers.

5. Cool the batch down to 25°C while mixing. Add phase E ingredients while.

Shower gel [KD-107]

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua		67.00	solvent
	Potassium Cocoate	EXOsoft PC35	16.00	surfactant
	Cocamide DEA	ROKAmid KAD	1.50	surfactant
B	Cocamidopropyl Betaine	ROKAmina K30K	7.00	surfactant
C	Parfum		0.50	fragrance
D	Betaine		1.00	active
E	Sodium Chloride		2.00	thickener
	Aqua		5.00	solvent

	APPEARANCE	visual method	transparent gel
	pH		8.0 – 9.0
	VISCOSITY [cP]	Brookfield LV, spindle 34, speed 2.5 RPM, T:25°C	min. 1000
	STABILITY	1 month in 5°C, 20°C, 40°C	confirmed

1. In a vessel combine ingredients from phase A - mix until uniform.
2. Add ingredients from phase B-D while mixing - mix until uniform. In a separate vessel combine ingredients from phase E - mix until uniform.
3. Add slowly phase E while mixing - mix until uniform.







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