# PCC

# EXOsoft PC35
## Potassium Cocoate

Local. Global. Integrated.

## 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 | 10.5 - 11.3 |
| | 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 5OC, 20OC, 40OC | | confirmed |

## Procedure:

**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). 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.

**3.** Prepare the remaining ingredients in separate beakers.

**4.** 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:25OC | min. 1000 |
| **Stability** | 1 month in 5OC, 20OC, 40OC | confirmed |

## Procedure:

**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.

EXOsoft PC35 Potassium Cocoate

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