





ROKAmin K15K

Low foaming, cationic surfactant

Benefits:











Chemical description: Quaternized and ethoxylated fatty amine INCI NAME: PEG-15 Cocomonium methosulfate

Typical properties

Appearance at (20÷25) °C	clear liquid
pH value of 5% solution	6÷8
Density at 20°C, g/mL	approx. 1.1
Viscosity at 20°C, cP	approx. 1000
Hazen colour, 5% isopropanol solution at (20÷25)°C	max 150
Solidification point	approx6°C
Water solubility	good

Application:

AUTO CARE

TEXTILES

CLEANING AGENTS

PLASTICS PRODUCTION

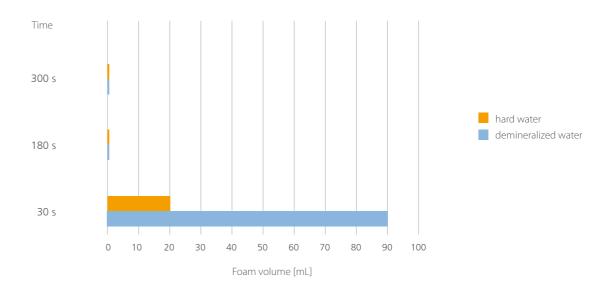
Car care products

ROKAmin K15K is a low-foaming, cationic surfactant with antielectrostatic and hydrophobic properties. At the same time, it has very good solubility in water. Thanks to these properties, the product is used in rinsing aids and care products (accelerates the drying of the car body shell, thus preventing the formation of streaks and stains). Its antielectrostatic properties can also be used in the production of plastics, as an ingredient in auxiliaries in the textile industry and as a conditioning ingredient in cosmetics for hair care. ROKAmin K15 is compatible with other cationic and nonionic surfactants.

Foaming behaviour

ROKAmin K15K exhibits low foaming properties stability. This property is essential if the product is included in the rinsing aids that are used after basic cleaning. The determination of the foaming capability was performed according to the PN-ISO 696:1994 Standard (the modified Ross-Miles method) at a temperature of 25°C, for a surfactant concentration of 1 g/L, in both demineralized and hard (17°d) water:

The stability of the foam





For more information, please contact: products@pcc.eu



Stability in alkaline and acidic environment

ROKAmin K15K exhibits high alkaline stability up to 140 NaOH/l. Stability in an alkaline and acid environment is defined as the maximum concentration of sodium hydroxide (with minimum purity of 98%) in g/L and sulfuric acid (with purity in the range between 95-98%) in mL/L in a stable surfactant solution with a concentration of 1% (as an active substance). The analysis of this stability for ROKAmin K15K has been performed in accordance with the **PN-EN 14712:2005** Standard.

Appearance at defined NaOH concentration

NaOH concentration [g/L]			
130	140	150	160
0	0	•	•
o clear homogenous product	separation phases		

Appearance at defined H₂SO₄ concentration

	H ₂ SO ₄ concen	tration [mL/L]	
120	130	140	225
0	0	0	0

o clear homogenous product

separation phases



Cleaner for car washes

Base formulation of Car Shampoo with good cleaning properties. This composition effectively removes dirt and greasy stains. Thanks to the presence of ROKAmin K15K with hydrophobic properties, the car body dries faster and also without streaks or smudges.

ROKAmin K15K	2%
ROKAnol IT9	6%
Trisodium salt of nitrilotriacetic acid (NTA-Na ₃)	10%
Sodium cumenesulfonate	10%
Citric acid	0.2%
Distilled water	up to 100%

Procedure:

- 1. Dissolve NTA-Na₃, citric acid, sodium cumenesulfonate in distilled water to a homogeneous consistency.
- 2. Add ROKAmin K15K and stir intensively.
- 3. Add ROKAnol IT9.



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Car cleaning effect with Car Shampoo



Car Cleaning with Car Shampoo.



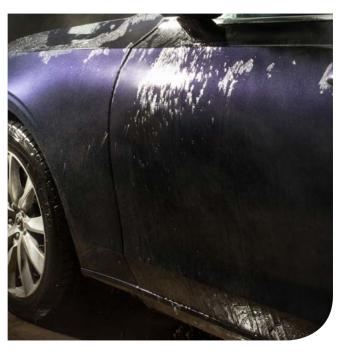
Car Cleaning with Car Shampoo with addition of ROKAmin K15K



The effect of ROKAmin K15K.



Dirty car before the use of the standard car shampoo.



Car Cleaning effect with standard Shampoo - creating a uniform surface.



Improvement in the hydrophobicity of the washing formulation.



Car Cleaning effect with ROKAmin K15K after washing down with water. Improvement of the hydrophobicity on the cleaned surface was observed after rinsing of Car Cleaning formulation (during drying).

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PCC Exol SA is a combination of the latest technology with experience in production and distribution of surfactants. The company has its headquarters in Brzeg Dolny, Poland, where the manufacturing units of anionic, nonionic and amphoteric surfactants are located. Flexibility of production enables us to offer a wide range of surfactants adjusted to the current customers' needs. As one of the leading chemical products manufacturers, we continue to undertake investment activities based on the principle of sustainable development.

Our products have numerous industrial applications. Our surfactants are used as raw materials for various markets including:

household chemicals, textile, agrochemicals, metalworking, oilfield industries, construction industry, paints & coatings, pulp and paper, and many others. Over the years, PCC Exol SA has developed core expertise in manufacturing specialty surfactants. We meet our customers' needs with a unique and versatile product portfolio, a broad expertise in surfactants chemistry and a high degree of flexibility.

Through close customer relationships and by maximizing the synergy of customers' application experience combined with our knowledge of chemistry, we continuously strive to offer tailor-made products and system solutions that contribute to your success.

We are continuously expanding our product range with new surfactants, focusing on safe chemistry and being friendly to people and environment. Our operations are conducted in full compliance with legal and other requirements, including environmental requirements. The design, production and sale of large volumes of specialist, often unique, chemical products for further processing requires the coordinated cooperation of many services at the Company's disposal.

A certified quality management system and environmental management system has proven to be very useful. Those two integrated systems help our employees to be aware of their roles in reaching quality and environmental goals.

Our specialists know that in the end, by carrying out their tasks in accordance with procedures applicable to their positions and other internal regulations, we provide our clients with exactly what they expect from us, acting in a reasonable manner and in compliance with legal requirements relating to the environment. Our strategic investor is the German company PCC SE, which operates internationally as three divisions: Chemical, Energy and Logistics.

For more information, please contact: products@pcc.eu



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