

Roteor M PREMIUM

Synthetic foaming agent | 3%



PCC EXOL SA

Sustainable technologies for new generations



PCC EXOL SA is a combination of innovative technology with experience in design and production of surfactants and chemical formulations.

PCC EXOL SA combines state-of-the-art technologies and extensive experience in the production of surfactants. The company is headquartered in Brzeg Dolny where production plants for anionic, nonionic and amphoteric surfactants are located. Flexibility of production allows the Company to offer a wide range of surfactants and industrial formulations, often designed to meet the individual needs of customers operating in various industries. PCC EXOL SA, as one of the leading manufacturers of surfactants, realizes new investments and implements innovative technologies based on world trends in sustainable development.

The surfactants offered by the Company are very widely used. In addition to the mass production of hygiene measures, cosmetics and detergents, PCC EXOL SA offers also a specialty product used in many different industries such as textiles, paints, varnishes, agrochemicals, metalworking, oil industry, building and construction industries, paper industries, mining industries and much more.

Versatile product portfolio is constantly being enriched with new, innovative products that enable the Company to meet even the most strict market demands and adapt to the individual needs of its customers. This is possible thanks to the dynamic development of the research base, the flexibility of the production and the knowledge and experience of the employees. PCC EXOL SA has key competences to produce surfactants on a global scale. Commenced and soon-to-be-launched investments will soon open new opportunities for the Company to further expand into new markets.

The company offers not only a comprehensive product portfolio and professional service, but also the flexibility of production and complex system solutions. The strategic investor of PCC EXOL SA is PCC SE, which operates on international markets for chemical raw materials, transport, energy, coal, coke, fuels, plastics and metallurgy.

Product characteristic

Roteor M Premium is a synthetic, foam-forming firefighting product designed for producing mechanical foam extinguishers of all foaming grades, using tap water and sea water. **Roteor M Premium** is a combination of specially selected high-performance surfactants, corrosion inhibitors and anticoagulant agents. This product produces a durable foam resistant to high temperatures.

Application

Roteor M Premium is used for the production of heavy, medium and light foam with all available firefighting equipment for class **A (solids)** and **B (liquids immiscible with water)** fire.

This product is especially recommended for: fire brigade units, forest services, chemical plants, factories, airports, refineries, etc. Thanks to the use of highly specialized surfactants, **Roteor M Premium** can be used as a wetting agent in the concentration range of 0.5 to 1%.

Properties

Roteor M Premium is characterized by high durability of foam and resistance to fire relapse. The product can be mixed with similar synthetic extinguishing agents immediately prior to use. **Roteor M Premium** is easily biodegradable.

Physicochemical properties

Exterior appearance at room temperature	Blue to green liquid
pH	6.5-9.5
Density at 20 °C [g/cm ³]	about 1.058
Solidification temperature [°C]	-15+/- 2
Kinematic viscosity at 20°C [mm ² /s]	max 10
Precipitate [%]	max 0.1



Foam-forming properties (acc. to PN-EN 1568-3)

Parameters	Tap water	Sea water
Total froth (≤ 20)	about 9	about 7.5
Foam condensation: [min]		
25% value (quarter)	about 8	about 5
50% value (half)	about 14	about 10

Warranty

Roteor M Premium can be stored up to 20 years in accordance with manufacturer's instructions. Guaranteed shelf life is 6 years from the date of manufacture. After this period it can be used after checking the parameters compliance with technical requirements.

Certificates

The quality requirements for the **Roteor M Premium** fire extinguisher are in accordance with PN-EN 1568. **Roteor M Premium** is certified by Scientific and Research Centre for Fire Protection No. 2851/2017 and NIPH-NIH No. NIPH-NIH/HT -3149/2016.

Extinguishing effectiveness according to PN-EN 1568-3: **III B for tap water**
III C for sea water



PCC Group – Industrial Park in Brzeg Dolny

PCC Rokita SA

GK PCC Rokita, 22 companies, including:

- PCC Rokita SA**
- PCC Prodex Sp. z o.o.
- PCC Prodex GmbH (Germany)
- PCC PU Sp. z o.o.
- IRPC PCC Co. Ltd. (Thailand)
- PCC Therm Sp. z o.o.

PCC Exol SA

GK PCC EXOL, 5 companies, including:

- PCC EXOL SA**
- PCC Chemax Inc. (USA)
- PCC EXOL Kimya Sanayi Ve Ticaret Limited Şirketi (Turkey)

PCC CP Kosmet Sp. z o.o.

GK PCC CP Kosmet, 3 companies, including:

- PCC CP Kosmet Sp. z o.o.**
- OOO PCC Consumer Products Navigator (Belarus)
- OOO PCC Consumer Products (Russia)

PCC MCAA SE

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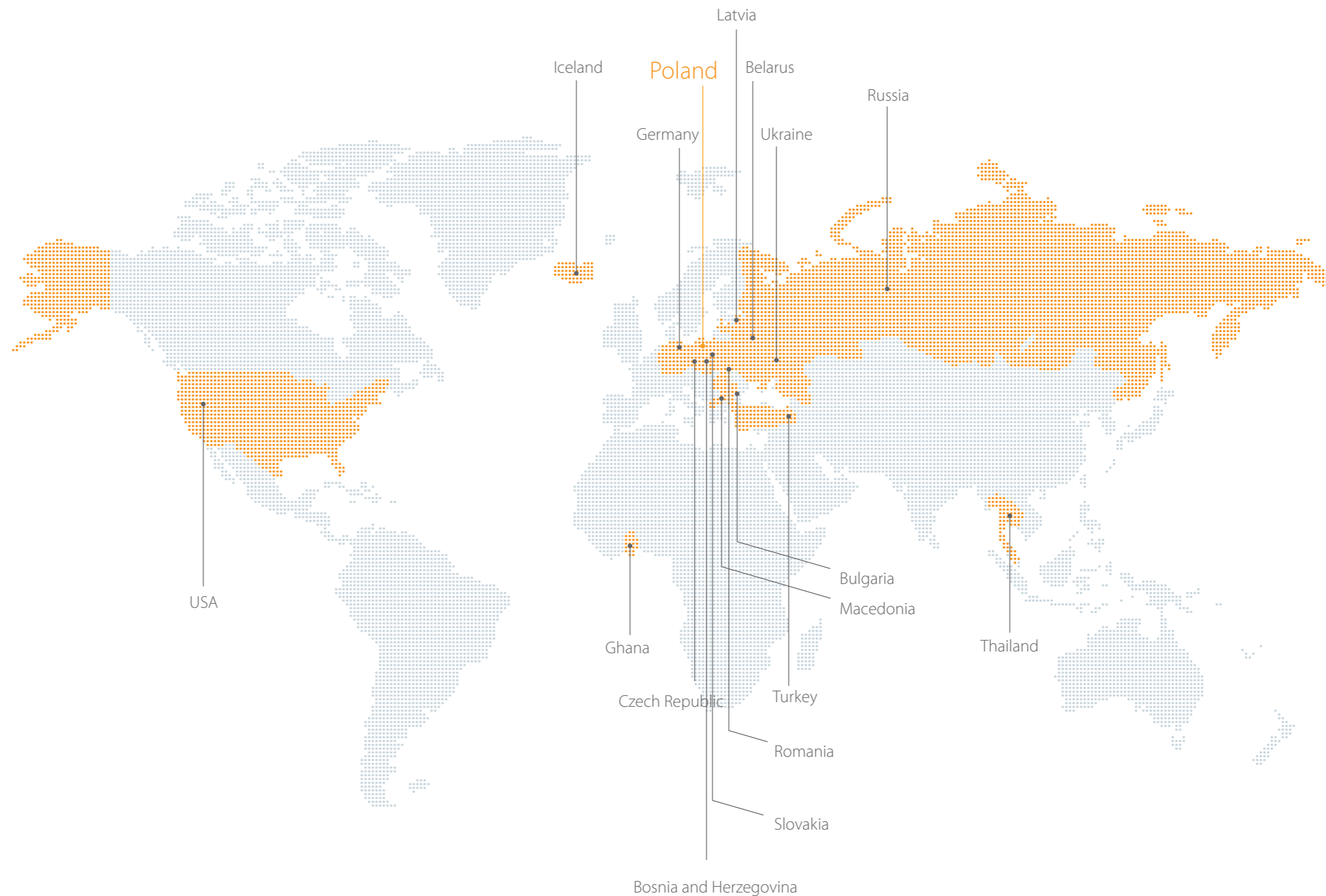
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Chemistry*