

ROTEOR M PLUS

- the product received Czech Certificate No. 221/033/2021



Roteor M Plus - synthetic extinguishing agent

Chemical description

Roteor M Plus is a synthetic extinguishing frother intended for the production of mechanical extinguishing foams of all foaming levels, using tap water and sea water.

Roteor M Plus is a combination of specially selected, high-foaming surfactants, corrosion inhibitors and freezing point reducers. It produces a high temperature resistant durable foam. It does not contain PFOA (perfluorooctanoic acid) and its salts.

Application

The extinguishing frother, Roteor M Plus, is used to produce foam: heavy, medium and light with the use of all available mechanical devices, i.e. nozzles or foam cannons, medium foam generators and light foam generators (aggregates). It is designed to extinguish fires classified as class A (solids) and B (water-immiscible liquids).

The product is especially recommended for: fire fighters, forest services, chemical plants, factories, airports, refineries, etc. It has the best properties in a 3% dilution (according to PN EN 1568:2018) in an aqueous solution. In order to obtain this concentration, appropriate flows on extinguishing devices should be set.

Due to the use of highly specialized surfactants, Roteor M Plus can be used as a wetting agent in the concentration range of 0.5 to 1%.

Its strong foaming properties require the tanks to be filled slowly to avoid excessive foam formation. The ends of the tubing or hoses (pipes) delivering Roteor to the tanks should be positioned below the level of liquid.

After use, all fittings, pipelines and pumps should be flushed with water. Immediately before use, it can be mixed with other similar extinguishing agents.

Storage

Store within the following temperature range: -10 to 30°C. Store in accordance with local regulations. Store in the original packaging, away from sunlight; in a dry, cool and well-ventilated room; away from incompatible materials, food and beverages. Keep the container closed and sealed until use. Opened containers must be resealed and kept upright to prevent leakage.



Physical and chemical properties ROTÉOR M Plus

Grade of foam concentrate	Synthetic foam concentrates (S)
pH-value	6.5-8.5
Density	≤1.06 g/cm ³
Solidification temperature [°C]	-15+/- 2
Freezing point	ca. -15°C
Rheological behaviour	newtonian foam concentrate
Viscosity at 20°C	≤10 mm ² /s

Firefighting classes

Results of the fire tests

Part of the standard EN 1568:2018	Usage concentration	Using	
		simulated fresh water	simulated sea water
1	3%	Requirements met	Requirements met
2	3%	Requirements met	Requirements met
3	3%	III B	III D

The tested foam concentrate with the name ROTÉOR M PLUS meets the requirements of the standard EN 1568 part -1, -2, -3 edition 2018.



PCC EXOL SA

Sustainable technologies for new generations



PCC EXOL SA is a company that combines cutting-edge technologies with rich experience in production of surfactants (surface active agents). The company is located in Brzeg Dolny (Poland), where anionic, nonionic and amphoteric surfactant production plants have been launched. Due to the flexible production processes, the company offers a wide spectrum of surfactants and industrial formulations, which are often suited for the individual customers operating in plenty of various industry sectors. As one of the leading surfactant manufacturers, PCC EXOL SA carries out new investment projects and implements innovative technologies based on the global sustainability trends.

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A large background image featuring a repeating pattern of light blue and white hexagons. Overlaid on this pattern is a faint, glowing blue molecular structure with interconnected nodes and lines, suggesting a chemical or technological theme.

PCC EXOL SA combines innovative technologies with experience in designing, producing and selling surfactants and chemical formulations

ties, flexible production, knowledge as well as experienced personnel.

PCC EXOL SA has the key competence necessary for a worldwide production of surfactants. The ongoing projects will soon bring the new opportunities for the company's further development and expansion into new markets. The company offers not only a wide portfolio and professional servicing but most of all flexible production and comprehensive system solutions that meet individual customer demands. The strategic PCC EXOL SA investor is PCC SE, operating on international markets of the chemical raw materials, transport, energy, coal,

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PUBLICATION

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