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# REPELLENT® PLUS

## COMPOSITION

C<sub>6</sub> fluorocarbon polymer, cationic  
Free of perfluorooctanoic acid (PFOA), perfluorooctane sulfonic acid (PFOS) and alkylphenol ethoxylate (APEO)

## USES

Hydrophobing agent for the water, oil and soil-repellent finishing of hospital garments, workwear and for impregnating outerwear.

## PROPERTIES

- Confers resistance to aqueous and oil-based soil
- Gives a full handle
- No high curing temperatures necessary
- Readily diluted with cold water
- Liquor preparation with soft water recommended
- Dosable via pumps
- Non-flammable
- Free of flammable solvents

## TECHNICAL DATA

- Beige emulsion
- Specific gravity at 20 °C 1.02 g/cm<sup>3</sup>
- pH value 3 – 6

## APPLICATION

**REPELLENT PLUS** is a fluorine compound that creates water and oil-repellent effects. It is not recommended to use hydrophobic or softening agents on the basis of silicone in combination with this product, since the stain-repellent effect in particular against oil-based soilings is reduced.

## Exhaust method

For aftercare applications by exhaust the following procedure is recommended.

Last rinsing bath 20 - 50 ml/kg **REPELLENT PLUS**  
- on dry weight of fabric –

Do not rinse after finishing: dry the fabric in a tumbler drier.

**REPELLENT PLUS** has a water, soil and oil-repellent effect if drying is carried out at elevated temperatures (> 60 °C).

**The material to be finished must be thoroughly pretreated and free of anionic, surface-active residues.**

## INFORMATION ON SPRAYING APPLICATION

During spraying of textile auxiliaries, aerosols arise. They might cause a potential risk for humans. Therefore, spray only in closed installations resp. provide for good air extraction and good room ventilation. Do not inhale aerosols!

## STORAGE

If stored below 0 °C, the product may solidify and/or change its consistency. After heating to 20 – 25 °C and thorough mixing, the product can be used again without any problems. The product is sensitive to heat and must not be stored at temperatures above 40 °C. Irreparable damage is possible. If stored too warm, the usability of the product has to be checked before processing.

## ATTENTION

The above recommendations are based on comprehensive studies and practical experience. They are, however, without liability regarding property rights of third parties and foreign laws. The user should test for himself whether the product and the application are suited for his very special purposes.

We are, above all, not liable for fields and methods of application which have not been put down by us in writing.

Advice for labelling regulations and protective measures can be taken from the respective safety data sheet.

\*) For producing fluorocarbon polymers, RUDOLF GmbH uses monomers from a process in which, as intended, no perfluorooctanesulphonic acid (PFOS) arises as a by-product.

No PFOA-containing products are used for manufacturing **REPELLENT PLUS**. However, as mobile fluorine compounds have been used for years, PFOA, PFOS and other PFTs are ubiquitous and detectable.

Please visit

<http://www.rudolf.de/en/ecology/information-on-pfos-and-pfoa>

for further information.