



Sarex Chemicals

(A Divn. Of Saraf Chemicals Pvt. Ltd.)

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PRODUCT LITERATURE

CAREGUARD-541

Product Information

Careguard-541 is a new generation cost effective water and oil repelling fluorocarbon based on C6 Chemistry. It imparts durable water and oil repelling effects on various substrates viz., polyester, cotton, nylon, wool fibres and their blends without affecting the original hand of fabric. It can be applied by padding foam and by spray technique.

Key Features & Benefits

Key Features	Benefits
Durable	Good water/oil repellency after multiple home laundering
Cost effective	Economical

General Characteristics

Physical appearance	: Off white liquid
Ionic nature	: Non-ionic to weakly cationic
pH of 1% solution	: 6 +/- 1
Miscibility	: Miscible with water
Compatibility	: Compatible with cationic and nonionic products
Stability	: Stable to dilute acids and dilute alkalies

Application

Pick-up	: 65-70%
Bath pH	: 4.0 - 4.5
Drying	: 100 - 120 deg.C
Curing	: 150 deg.C, 5 min. OR 160 deg.C, 3 min. OR 170 deg.C, 1 min.

SUGGESTED RECIPES:

For all substrates

Careguard-541 : 30-80 g/l



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Acetic Acid : 0.5 g/l
IPA : 5 g/l

* Concentration of Careguard-541 to be taken on the basis of durability requirement.

Note:

1. It is recommended to prewash the substrate to be treated with 1 g/l Saragen-DAM at 80-85 deg.C for 20-30 min. to remove traces of residual impurities to get excellent results.
2. After padding and drying if fabric is kept overnight before curing, results will be further improved.
3. Compatible with Flame Retardent finish (Pre-trial is recommended).
4. Addition of 5-10 g/l Ecolink (Conc) is optional and recommended for achieving higher durability.
5. Water-oil repellent finish can be combined with resin finish using 30g/l Saralink-ULF + 6g/l MgCl₂ + 20g/l Saralube-2975.

Sequence of addition:

- Prepare bath with all ingredients including Saralink-ULF, MgCl₂ and Ecolink (Conc) in water containing Acetic acid.
- Stir continuously and add Careguard-541 as the final ingredient.

Precautions :

- Avoid high speed and continuous stirring.
- Avoid silicone based softeners in the finishing recipe.

Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature



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should not exceed 35 deg C. Close lids firmly to avoid contact with air and moisture.

Shelf Life : 9 months from the date of manufacturing, if stored under controlled conditions.

[The above information is given in good faith and is without warranty]
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