



Sarex Chemicals

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

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PRODUCT LITERATURE

CAREGUARD-7080

Product Information

Careguard-7080 is a new generation highly cost effective water and oil repellent fluorocarbon based on C6 Chemistry. It imparts balanced water and oil repellency on various substrates viz., polyester, cotton, nylon, wool fibres and their blends. Careguard-7080 gives very good and durable oil-water repellency on Acrylic substrates. It can be applied by pad foam and spray technique. The performance of Careguard-7080 will be closer to that of C8 Chemistry Fluorocarbons. They can be applied on nonwoven substrates also. Careguard-7080 is suitable for application on Personal Protective Equipment/ Clothing used in medical and industrial textiles.

Key Features & Benefits

Key Features	Benefits
High concentration	Cost effective
Good Durability	Good water/oil repellency after multiple home laundering
Broad Spectrum	Works well on all substrate

General Characteristics

Physical appearance	: Off white liquid
Ionic nature	: Non ionic
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

PADDING PROCESS:

Careguard-7080	: 20-80 g/l
Acetic Acid	: 0.5 g/l
IPA	: 5 g/l



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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.

* Concentration of Careguard-7080 to be taken on the basis of durability requirement.

* Depending on the GSM of the fabric and (%) Expression of the fabric the dosage of the above chemical has to be optimized.

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. Water and Oil repellent can be combined with Wrinkle free finish. (Pre-trials are recommended)

Sequence of addition:

- Prepare bath with all ingredients including Saralink-ULF, MgCl₂ in water containing Acetic acid.
- Stir continuously and add Careguard-7080 as the final ingredient.

Precautions:

- Before using our product, stir the product gently and then passing through a filter is advisable before pre-dilution and application
- Avoid high speed and continuous stirring.
- Avoid silicone based softeners in the finishing recipe.
- Pre trial with Careguard-7080 is recommended with coating chemicals.

Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg C. Close lids firmly to avoid contact with air and moisture.



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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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