



Sarex Chemicals

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

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PRODUCT LITERATURE

CAREGUARD-823 CONC (NEW)

Product Information

Careguard-823 Conc (New) is a new generation water and oil repellent fluorocarbon based on C6 Chemistry. It imparts balanced water and oil repellency on various substrates and specially on polypropylene fibres. It also works at temperature 120°C. It can be applied by pad foam and spray technique. The performance of Careguard-823 Conc (New) will be closer to that of C8 Chemistry Fluorocarbons. They can be applied on nonwoven substrates also.

Key Features & Benefits

Key Features	Benefits
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Non-yellowing	Suitable for white and pastel shades
Durable	- Good water/oil repellency after multiple home laundering - Very good and durable oil-water repellency on Acrylic substrates
Hand feel	Softer handle than the conventional C6 fluorocarbons

General Characteristics

Physical appearance	: Creamish liquid
Ionic nature	: Nonionic
pH of 1% solution	: 4 +/- 1
Miscibility	: Miscible with water
Compatibility	: Compatible with cationic, anionic and nonionic products
Stability	: Stable to dilute acids and dilute alkalies

Application

PADDING PROCESS:

Careguard-823 Conc (New)	: 20-80 g/l
Acetic Acid	: 0.5 g/l
IPA	: 5 g/l
Pick-up	: 65-70%



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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-823 Conc (New) 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. 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 in water containing Acetic acid.
- Stir continuously and add Careguard-823 Conc (New) as the final ingredient.

Precautions:

- Avoid high speed and continuous stirring.
- Avoid silicone based softeners in the finishing recipe.
- Pre trial with Careguard-823 Conc (New) is recommended with coating chemicals.



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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.

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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