



Sarex Chemicals

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

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PRODUCT LITERATURE

CAREGUARD-OR 359

Product Information

CAREGUARD-OR 359 is a new generation water and oil repellent fluorocarbon based on C6 Chemistry. It imparts durable oil and water repellency on various substrates like polyester, cotton, nylon, Aramid fibres and their blends without affecting the original hand of fabric. It gives very high oil repellency. It can be applied by pad, foam and spray technique. The performance of CAREGUARD-OR 359 will be closer to that of C8 Chemistry Fluorocarbons. They are suitable for pigment printed fabrics also.

Key Features & Benefits

Key Features	Benefits
Competitive	Highest oil repellency in C6 fluorocarbons
Durable	Good water/oil repellency after multiple home laundering
No Roller build up	Suitable for high speed finishing operations
High Solvent Repellency	Passes Gutter Test

General Characteristics

Physical appearance	: Off white liquid
Ionic nature	: Nonionic
pH of 1% solution	: 6 +/- 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-OR 359	: 30-80 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-OR 359 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 Retardant 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-OR 359 as the final ingredient

Precautions:

- Avoid high speed and continuous stirring
- Avoid silicone based softeners in the finishing recipe
- Pre trial with CAREGUARD-OR 359 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



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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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