PRODUCT LITERATURE

CAREGUARD-66 (NEW)

Product Information

Careguard-66 (NEW) is a new generation water and oil repellent fluorocarbon based on C 6 Chemistry. It is a dispersion of fluoropolymer. It imparts durable water, oil, alcohol and blood repellency on cellulosic substrates and their blends. It also works on various substrates viz., polyester, nylon, wool fibres and their blends. It can be applied by pad and spray technique. The performance of Careguard-66 (NEW) will be closer to that of C8 Chemistry Fluorocarbons. They can be applied on nonwoven substrates also. Careguard-66 (NEW) is suitable for application on Personal Protective Equipment/ Clothing (PPE) used in medical and industrial textiles.

Key Features & Benefits

<table>
<thead>
<tr>
<th>Key Features</th>
<th>Benefits</th>
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<tr>
<td>Competitive</td>
<td>- Better water and oil repellency than</td>
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<td></td>
<td>the conventional C6 fluorocarbons</td>
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<td>- Best oil repellency</td>
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<tr>
<td>Non-yellowing</td>
<td>Suitable for white and pastel shades</td>
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<td>Durable</td>
<td>Good water/oil repellency after multiple home laundering</td>
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General Characteristics

- Physical appearance: Off white to creamish liquid
- Ionic nature: Nonionic to weakly cationic
- pH of 1% solution: 5 +/- 1
- Miscibility: Miscible with water
- Compatibility: Compatible with cationic and nonionic products
- Stability: Stable to dilute acids and unstable to dilute alkalies

Application

PADDING PROCESS:

- Careguard-66 (NEW): 30-80 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-66 (NEW) to be taken on the basis of durability requirement.
* For Blood and Alcohol Repellency the dosage of the above chemical has to be optimized depending on the GSM of the fabric and (%) Expression
* Pre-trials are recommended.

Note:
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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:
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- Prepare bath with all ingredients including Saralink-ULF, MgCl2 in water containing Acetic acid.
- Stir continuously and add Careguard-66 (NEW) as the final ingredient.

Precautions:
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- Avoid high speed and continuous stirring.
- Avoid silicone based softeners in the finishing recipe.
- Pre trial with Careguard-66(NEW) 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.

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