

Technical Tuesday

REF:TT/ Mar 2013/ WK 2

Soil Release finish-Part 4

Development in Soil release finishes:

- ❖ Stain-repellency performance has been achieved by the fluorocarbon resins based upon C8 perfluoroacrylates.
- ❖ C8 fluorocarbon finishes produced via electrochemical fluorination, it is discontinued because PFOS (perfluorooctane sulfonate) can result as a breakdown product during the manufacturing process.
- ❖ At present only C6 fluorocarbon products are manufactured using this route because they do not involve PFOS, which is a does not causes pollution that is also bioaccumulative.

Troubleshooting for soil-release finishes:

- ❖ The performance of a soil-release finish depends upon its ability to provide a hydrophilic surface during the laundering process.
- ❖ Therefore any material deposited on the fibre surface that would reduce this necessary hydrophilicity should be avoided.
- ❖ Softeners, lubricants and other products that modify surface properties should be carefully investigated in laboratory trials before being used with fabrics treated with soil-release finishes.

Properties Achieved by Soil Release:

- ❖ Add care to garments
- ❖ Permits better wearability for improved soil release.
- ❖ Provides greater comfort in hot weather.
- ❖ Resists redepositing of soil when laundering.

*A knowledge sharing initiative of Resil Chemicals.
For queries, please write to arc@resil.com.
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Resil range of product for Soil Release & Soil Repellent Finish for textiles:

- ❖ **Resiquard OWR**(Eco friendly Flourocarbon Based on C6 Chemistry for Durable water and oil repellent finish)
- ❖ **Resiquard FCO-30**(Flourocarbon Based on C8 Chemistry for Durable water and oil repellent finish)
- ❖ **Resiquard FCO-15**(Cost effective Flourocarbon Based on C6 Chemistry for Durable water and oil repellent finish)
- ❖ **Resiguard SR**(Flourocarbon resin to impart excellent stain release finish)

“Have a Happy Week a Head”

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