PRODUCTS FOR
TECHNICAL TEXTILES

Sarex
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CHEMISTRY BEHIND
GOOD FEELINGS
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<tr>
<th>PRODUCT NAME</th>
<th>IONIC NATURE</th>
<th>DESCRIPTION</th>
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</table>
| Careguard-66 (New)  | n / wc       | • Is based on C6 fluorocarbon chemistry used for durable oil and water repellency.  
• It is suitable for all types of substrate and their blends.  
• This finish can be applied for:  
  - Artificial turfs, sleeping bags, tents, seat covers, car interiors.  
  - Carpets, table cloths, home furnishings, Tarpaulins, Awning, Canopies and Umbrella. |
| Careguard-SV        | n / wc       | • Careguard-SV is water and oil-repelling fluoropolymer based on C6 chemistry.  
• It confers highly durable water and oil repellency effects on various substrates viz., polyester, cotton, wool fibres and their blends.  
• It can be applied by padding, foam and by spray technique.  
• This finish can be applied for:  
  - Artificial turfs, sleeping bags, tents, seat covers, car interiors.  
  - Carpets, table cloths, home furnishings.  
  - Tarpaulins, Awning, Canopies and Umbrella. |
| Careguard-314       | n            | • Careguard-314 is a new generation water and oil repelling fluorocarbon based on C6 Chemistry.  
• It imparts best results on polyamide fabrics.  
• It is an ideal product for synthetic fabrics.  
• It can be applied by padding, foam and by spray technique.  
• It is ideal to use Careguard-314 in coating. |
| Careguard-SP        | n            | • Careguard-SP is a C6 based water and oil repelling fluorocarbon.  
• It imparts durable water and oil repelling effects on various substrates viz., Acrylic, polyamide and polyester.  
• It can be applied by padding, foam and by spray technique. |
| Careguard-NI        | n            | • Careguard-NI is a new generation water and oil repelling fluorocarbon based on C6 Chemistry.  
• It imparts high water repellency and average oil repellency on the treated substrates.  
• It imparts durable water and oil repelling effects on various substrates.  
• It passes Bundesmann test. |
| Careguard-6NI       | wc           | • Careguard-6NI is a new generation cost effective water and oil repelling fluorocarbon based on C6 Chemistry.  
• It imparts durable water and oil repelling effects on various substrates viz., polyester, cotton, nylon, wool fibres and their blends. |
| Careguard-FF        | n / wc       | • Careguard-FF is a fluorine free speciality product for water repellency and rainproofing for cellulosic and its blends.  
• Careguard-FF gives best results on 100% cellulosic fabrics with spray rating of 90-100.  
• The performance of Careguard-FF is very close to C6 fluoro chemicals in terms of water repellency and durability.  
• It imparts sewability and also provides better resistance to abrasion and tear.  
• They can also be applied on nonwoven substrates. |
| Ecoguard-SYN (Conc) | n / wc       | • A fluorine-free water repellent especially developed for synthetics and blends.  
• This finish can be applied for:  
  - Artificial turfs, sleeping bags, tents, seat covers, car interiors and  
  - Carpets, table cloths, home furnishings,  
  - Tarpaulins, Awning and Canopies. |
| Ecoguard-SR6        | n / wc       | • Ecoguard-SR 6 is a new generation stain releasing fluorocarbon based on C6 chemistry.  
• It imparts very good stain release properties on cotton, polyester and their blends.  
• It also imparts oil and water repellency.  
• The finish on substrate allow the stains to leave fabric faster and makes the fabric clean.  
• Treated fabric is durable to multiple home launderings. |
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<td><strong>FLAME RETARDANTS</strong></td>
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| Flamguard-PS | a | • Flamguard-PS is durable flame retardant for 100% polyester.  
• It can be applied by exhaust method. Flamguard-PS is halogen free.  
• Fabric finished with Flamguard-PS shows minimum effect on shade and possesses good fastness to home laundering and dry cleaning.  
• Flamguard-PS does not have any effect on the drape of the treated fabric.  
• Flamguard-PS has low volatility and does not lead to fogging.  
• This finish is very important for products which need protection against fire for e.g.:  
  - Seat covers, seat belts, car interiors, carpets of the car.  
  - Artificial turfs, balloning fabric, parachutes, sleeping bags and tents.  
  - Curtains, table cloths, bed linens.  
  - Protective textiles-Fire fighters and work wear. |
| Flamguard-BC | wa | • Flamguard-BC is a durable Halogen and formaldehyde free flame retardant finishing chemical for polyester fabrics.  
• It is suitable for application by back coating method.  
• It has high flame resistance and imparts durable, non-hygrosopic, non-corrosive, non-plasticizing and thermostable FR finish.  
• The finish is stable to UV radiation, heat as well as humid conditions. This finish is very important for products which need protection against fire for e.g.:  
  - Seat covers, seat belts, car interiors, carpets of the car.  
  - Artificial turfs, balloning fabric, parachutes, sleeping bags and tents.  
  - Curtains, table cloths, bed linens.  
  - Protective textiles-Fire fighters and work wear. |
| Flamguard-DPS. | n | • Flamguard-DPS is a durable flame retardant finishing chemical for 100% polyester and polyamide fabrics.  
• It is applicable by padding and by spray method.  
• Flamguard-DPS is halogen free and it shows minimum effect on shade and possesses good fastness to home laundering and dry cleaning.  
• Flamguard-DPS does not have any effect on the drape of the treated fabric.  
• Flamguard-DPS has low volatility and does not lead to fogging.  
• This finish is very important for products which need protection against fire for e.g.:  
  - Seat covers, seat belts, car interiors, carpets of the car.  
  - Artificial turfs, balloning fabric, parachutes and tents.  
  - Curtains, table cloths, bed linens.  
  - Protective textiles-Fire fighters and work wear. |
| Saraflam-TR | n | • Saraflam-TR is an economical flame retardant for cellulosic, synthetic fibres and their blends.  
• Saraflam-TR is a halogen and antimony free flame retardant.  
• Fabric treated with Saraflam-TR is durable to dry cleaning but not to washing as Saraflam-TR is soluble in water.  
• Saraflam-TR is recommended for Furnishing fabrics, tent fabrics, industrial covers etc. |
| Saraflam-TF | n | • Saraflam-TF is a water soluble, non-durable flame retardant finishing agent for 100% polyester and its blends.  
• It can be applied by pad and spray application.  
• Saraflam-TF can also be applied on garments via garment drum machine.  
• Saraflam-TF finished fabric acquires soft & dry handle.  
• Saraflam-TF is recommended for furnishing fabrics, tent fabric, etc. Fabric finished with Saraflam-TF is durable to dry cleaning. |
| Saraflam-CD | a | • Saraflam-CD is a water soluble non durable flame retardant for polypropylene, cellulosic, synthetics and their blends.  
• It is durable to dry cleaning but not durable to washing. It imparts soft handle. |
| **ANTIMICROBIAL AGENTS** | | |
| Saraguard-FL | c | • Saraguard-FL is a cost effective, methanol free antimicrobial agent for finishing of Cotton, Polyester and their blends.  
• Saraguard-FL can be applied by padding, exhaust, soaking and spraying methods.  
• Saraguard-FL is non-leaching antimicrobial agent.  
• It is effective against broad spectrum of microbes. |
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| Saraguard-5700    | c            | • A methanol free durable antimicrobial and fungicide for broad spectrum microbes such as *Escherichia coli*, *Staphylococcus aureus*, *Methicillin-resistant Staphylococcus aureus (MRSA)* and *Klebsiella pneumoniae*.  
  • Suitable for finishing all types of textile substrate.  
  • Can be applied by pad, exhaust, spray application and coating.  
  • This finish can be applied for:  
    - Footwear, sleeping bags, seat covers.  
    - Bedding and medical textiles.  
    - Tent, tarpaulins and truck covers.  
    - Mattress, pillow components, stuff toys, upholstery.  
    - Geo cells and Geo bags.  
    - Packaging material, nonwoven bags.  
| Zoroguard-ZP      | n            | • Zoroguard-ZP is zinc pyrithione based antimicrobial and antifungal agent.  
  • Zoroguard-ZP is effective against broad spectrum of microbes.  
  • It is suitable for all types of substrates viz cotton, polyester, polyamide, wool and their blends.  
  • It is leaching antimicrobial agent.  
  • Zoroguard-ZP passes AATCC-30, AATCC-147 and AATCC-100 test methods. |
| **MOISTURE MANAGEMENT FINISH**                                                                                                                                          |
| Estofeel (Conc)   | n            | • A durable hydrophilic, antistatic, soil release, soil resistant finishing agent.  
  • Suitable for polyester, polyamide and their blends.  
  • It can be applied by padding or spray method.  
  • It can be applied for active wears and footwears. |
| Moisture-Guard    | c            | • It is a durable moisture management product.  
  • Suitable for cotton and polyamide substrates.  
  • Improves wicking properties.  
  • It can be applied by padding or spray method.  
  • It can be applied for active wears and footwears. |
| **MOSQUITO REPELLENT FINISH**                                                                                                                                             |
| Repello-MSQ       | a            | • It is a durable micro dispersed product based on permethrin, to repel and kill mosquitoes.  
  • Can be applied on cellulosic and other substrates.  
  • It is suitable for exhaust as well as for padding.  
  • This finish can be applied for:  
    - Tent fabrics, sleeping bags, bed sheets, home furnishing, curtains & mosquito nets.  
| Saraguard-MOSQ    | n            | • A durable micro encapsulated product based on DEET chemistry to repel mosquitoes for polyester.  
  • It is suitable by pad application.  
  • This finish is suitable for:  
    - Tent fabrics, sleeping bags, bed sheets, home furnishing, curtains & mosquito nets.  
| **UV PROTECTIVE AGENTS & LIGHT FASTNESS IMPROVERS**                                                                                                                      |
| Yuvi-493          | a            | • Yuvi-493 is a highly efficient UV absorber for polyester and its blends.  
  • It improves the light fastness of polyester dyeings with disperse dyes.  
  • It also reduces the fibre damage due to photochemical degradation.  
  • This finish can be applied on fabrics used for:  
    - Ballooning and parachute fabrics.  
    - Seat covers and car interiors.  
    - Blinds, Canopies, awnings, Tarpaulins.  
    - Mulch mats, Sunscreens, Bird protection nets, wind protection net.  
| Yuvi-Cell         | n            | • Yuvi-Cell is an UV protector for cellulosic fabrics.  
  • It exhibits excellent ultraviolet absorbing properties and is durable to home launderings.  
  • Yuvi-Cell treated fabric shows UPF rating upto 50+.  
  • Yuvi-Cell also enhances the colour fastness of the substrates to light and perspiration.  
  • This finish can be applied on fabrics used for sports wear, beach wears and sun parasols. |
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<td><strong>FRAGRANCE FINISH</strong></td>
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<td>Superfresh range</td>
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<td>• Superfresh range is new range of micro encapsulated aroma finishes.</td>
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<tr>
<td></td>
<td></td>
<td>• It imparts durable fragrance to the fabric.</td>
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<td></td>
<td>• They can be applied on synthetic and natural fabrics.</td>
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<td></td>
<td>• This finish is applied for active wear, sleeping bags, seat covers and home furnishings.</td>
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<td><strong>BODY IMPARTING AGENT / BINDER FOR NONWOVEN</strong></td>
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<td>Autofin-DR</td>
<td>a</td>
<td>• Autofin-DR is a finishing agent in liquid form which imparts bulkiness or body to polyester.</td>
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<td>• It is durable to boiling water.</td>
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<td>• Autofin-DR can also be applied on P/V fabric to impart body.</td>
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<td></td>
<td>• This finish can be applied for home furnishings, carpets, table cloths, car interiors, roller blinds and shower curtains.</td>
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<tr>
<td>Stifnol-NW</td>
<td>–</td>
<td>• Stifnol-NW is a specialty product to impart stiffness and body to cotton, polyester and their blends.</td>
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<td></td>
<td>• They are also suitable for nonwoven fabrics to impart body.</td>
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<td>• The treated fabric can be top coated with required finishes.</td>
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<td>Sarastiff-GK</td>
<td>n</td>
<td>• Sarastiff-GK is specially developed finishing product to impart stiff finish to nonwovens made of cotton, viscose, polyester and their blends.</td>
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<td>• Sarastiff-GK is specially recommended for finishing of collar interlining.</td>
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<td>• Fabric finished with Sarastiff-GK remains stiff even under long storage period and does not loose stiffness even if relative humidity is high.</td>
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<td><strong>ANTISTATIC AGENT</strong></td>
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<td>Antistat-CD</td>
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<td>• Antistat-CD is specially developed finishing agent for hydrophobic fibres such as polyester to overcome static charges generated.</td>
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<td>• This finish can be applied mainly for Carpets, medical textiles and nonwoven gowns.</td>
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<td><strong>ANTIPILLING AGENTS</strong></td>
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<td>Helafin-42</td>
<td>a</td>
<td>• Helafin-42 improves resistance to pilling and snagging and also reduces the tendency of seam slippage.</td>
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<td>• This finish can be applied on cotton, polyester and their blends.</td>
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<td>• This finish is very integral for carpets, seat belts, seat covers of cars, artificial turfs.</td>
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<td><strong>HYDROPHILIC AGENTS</strong></td>
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<td>Aquafinish-158</td>
<td>n / wc</td>
<td>• Aquafinish-158 is a new generation hydrophilic macro polysiloxane which gives extra ordinary smooth soft surface.</td>
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<td>• It can be applied by exhaust as well by padding method.</td>
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<td>• It is suitable for Terry towels, knits and woven fabric.</td>
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<td>• Finishing with Aquasoft-158 leads to softness and increased hydrophilicity of the fabric.</td>
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<td>• This finish is very integral for incontinence products like baby diapers, adult diapers and female hygiene products.</td>
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<tr>
<td>Wetfin-NS</td>
<td>n</td>
<td>• Is a innovative silicone free hydrophilic agents which can be used to enhance the absorbency of synthetic fibres like polyester and polyolefin fibres.</td>
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<td></td>
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<td>• This finish can be applied by padding on nonwoven fabrics also.</td>
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<td>• This type of finish is very useful where instant absorbency is required.</td>
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<tr>
<td></td>
<td></td>
<td>• This finish is very integral for incontinence products like baby diapers, adult diapers and female hygiene products.</td>
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<td><strong>CHLORINE FASTNESS IMPROVERS</strong></td>
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<td>Saradye-429 (MOD)</td>
<td>n</td>
<td>• Saradye-429 (MOD) is a speciality product to improve the fastness to chlorinated pool water.</td>
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<td>• It is highly efficient on polyamide fabrics dyed/printed with acid dyes. Saradye-429 (MOD) has minimum effect on light fastness and tone of the treated material.</td>
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<td>• Saradye-429 (MOD) does not affect the original handle and absorbency of fabric.</td>
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<td>• This finish can be applied on swimwear and any textile material which come in contact with chlorine water.</td>
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| Fabcoat-WB   | a            | • Fabcoat-WB is a PU base coating, recommended as a coating compound for outdoor fabrics like cordura.  
• It forms a clear and tack free films with high water column.  
• To obtain high water column, two coating of Fabcoat-WB is recommended.  
• Fabcoat-WB is ready to use coating compound but the viscosity of the product can be decreased by adding water. |
| Fabcoat-AR   | a            | • Fabcoat-AR is an Acrylic coating, recommended as a coating compound for outdoor fabrics like sunscreens blinds.  
• It is also used to impart body, dimensional stability to the fabric.  
• It provides excellent UV and weather resistance. |

*Ionic nature: a- anionic, c- cationic, n- non ionic, wa- weakly anionic, wc- weakly cationic*