



TANATEX[®]
CHEMICALS

Textile Processing Chemicals

Product Overview:

- Pretreatment
- Dyeing
- Finishing
- Coating
- Printing

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Product Name	Brief Description
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Desizing agents

BAYLASE® AT 02	<p>Enzymatic desizing agent to remove starch in the pretreatment of textiles</p> <p>BAYLASE® AT 02 is effective at both high and low temperatures Effective enzyme formulation to remove starch and combinations of starch/PVA, CMC and acrylic sizes Can be combined with the BioScouring method (BAYLASE® EVO) For use in all common processes, e.g. exhaust, cold pad-batch and pad-steam Suitable for desizing denim</p>
TANAZYM LT	<p>Enzymatic desizing agent with scouring and wetting components for use on cellulosics and cellulosic blends</p> <p>Nonionic For use in all common processes; effective at both high and low temperatures Removes sizes such as starch, starch ether and starch ester, PVA, CMC and size blends Treated substrates have good absorbency Low-foaming</p>
TANAZYM LTC 01	<p>Robust and highly effective enzymatic desizing agent with wetting and scouring components for cellulosics and cellulosic blends</p> <p>Nonionic Excellent removal of starch sizes Good removal of starch ether, starch ester, PVA and CMC sizes and size blends Effective over a wide pH range (pH 4-10) Suitable for post-desizing (e.g. after cold pad-batch bleaching) Treated substrates have good absorbency Suitable for all common procedures; effective at both high and low temperatures Low-foaming</p>
TANAZYM UD	<p>Enzyme compound with scouring and wetting components for desizing cellulosics and cellulosic blends</p> <p>Nonionic For continuous and discontinuous processes (pad-steam) Removes sizes such as starch, starch ether, starch ester, PVA, CMC and size blends Treated substrates have good absorbency Low-foaming</p>

Product Name	Brief Description
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Boiling-off auxiliaries

BAYLASE® EVO	<p>Enzyme for BioScouring natural cellulose and their blends</p> <p>Substitute for alkaline boiling-off Can be combined with enzymatic desizing Can be used in all common processes in the textile industry Excellent hydrophilic properties Improves bleaching properties and dye uptake Excellent appearance, soft hand, good technical grades Reliable processing, simple to handle Environment-friendly process</p>
BAYLASE® EVO PLUS	<p>Enzyme for BioScouring and desizing of cotton and cotton blends</p> <p>Enzymatic scouring with simultaneous desizing Suitable for all common processes in the textile industry Excellent scouring effect and hydrophilic properties Bleaching is often unnecessary for dark and opaque shades Fabric has an excellent appearance and soft hand Simple recipes, reliable processing Does not corrode machinery Significant reduction in wastewater loads Very economical</p>
BAYSOLEX® KA 01	<p>Boiling-off auxiliary with high stability to alkali for the pretreatment of natural cellulosic fibers; contains surfactants</p> <p>Anionic/nonionic Biodegradable Excellent in continuous processes Chelating properties Stable to alkali up to 240 g/l caustic soda</p>

Chelating agents

BAYSOLEX® 42062	<p>Chelating and aftersoaping agent for reactive dyeing and printing</p> <p>Anionic Biological elimination Auxiliary to remove reactive dye hydrolysate Prevents staining and spotting of unprinted sections of fabric Prevents cross-staining of discharge prints on grounds dyed with direct dyes during washing-off Effective in continuous washing-off processes, even at under 95 °C</p>
BAYSOLEX® EXT	<p>Chelating auxiliary for demineralization and removal of impurities from natural cellulosic fibers</p> <p>Anionic Chelating and dispersing properties For acid demineralization Reduces insoluble deposits of Ca compounds Improves whiteness and absorbency Suitable for neutralizing bleaching alkali</p>

Product Name	Brief Description
BAYSOLEX® EXT-N	<p>Inhibitor and chelating agent for use in boiling-off liquors and peroxide bleaching</p> <p>Anionic Improves washing-off of impurities and bleaching agents Reduces or prevents crystalline deposits Improves whiteness and absorbency Post-extraction of bleaching baths in combination with DIADAVIN® ANE</p>
BAYSOLEX® QXL	<p>Chelating agent for boiling-off, bleaching and BioScouring processes</p> <p>Anionic High chelating action Recommended for the BAYLASE® EVO BioScouring process Good stabilizing of discontinuous peroxide bleaching liquors Good dispersing properties Biodegradable Phosphate-free and acrylate-free Environment-friendly</p>
PLEXENE APR	<p>Acid chelating agent to remove alkaline earth and heavy metal impurities from cotton</p> <p>Improves whiteness and absorbency in subsequent bleaching Prevents catalytic damage</p>
PLEXENE CA	<p>Inhibitor and chelating agent for use in boiling-off and peroxide bleaching liquors to reduce precipitation caused by hard water</p> <p>Improves the washing-off of bleaching chemicals and impurities in the fiber Can be used in oxidizing/soaping baths for vat and sulfur dyes to improve the wash-off properties of dyestuff pigments</p>
PLEXENE CAN	<p>Chelating and dispersing agent for pretreatment to prevent precipitation caused by hard water</p> <p>Very good removal of calcium and magnesium ions For pretreatment in acid and alkaline liquors Supports the effect of hydrogen peroxide stabilizers High dispersing capacity Suitable for use in dyeing Does not foam</p>
PLEXENE FED	<p>Chelating agent to remove heavy metal impurities in strongly alkaline liquors</p> <p>High chelating power for heavy metal ions Suitable for boiling-off, bleaching and mercerizing baths Good dispersing of hard water salts and good soil bonding capacity Helps stabilize peroxide</p>
PLEXENE MC	<p>Chelating agent to remove metal ions</p> <p>Specifically for removing metal ions in pretreatment processes such as desizing and pre-scouring in weakly acid to alkaline liquors Suitable for all types of fiber Easy to handle</p>

Product Name	Brief Description
PLEXENE PREP	<p>Chelating agent for pretreatment of cotton to remove disruptive ions and ions resulting from the use of hard water</p> <p>Very good removal of Ca, Mg, and heavy metal ions in the acid to alkaline pH range Can be combined with alpha-amylase products Suitable for continuous and discontinuous processes Advantageous for linen and linen blends</p>
PLEXENE SP	<p>Chelating and dispersing agent for washing-off printed polyamide and polyamide/elastan fabrics and for desizing synthetics</p> <p>High buffering capacity in alkaline liquors Good chelating and dispersing properties Optimum product for washing off printed PA and PA/elastan fibers to produce very good white resists and very good fastness properties Excellent for desizing synthetic wovens treated with polyester or polyacrylic sizes Does not foam</p>
PLEXENE UL	<p>Chelating and dispersing agent for alkaline earths in dyeing and pretreatment of cotton and cotton blends</p> <p>Reduces precipitation of dyes and auxiliaries in hard water Can be used with all metal-complex dyes Suitable for alkaline boiling-off and bleaching processes High dispersing capacity</p>

Bleaching stabilizers

BAYSTABIL® DB	<p>Organic stabilizer for alkaline hydrogen peroxide bleaching</p> <p>Anionic Extremely suitable for cellulose and cellulosic/synthetic blends Suitable for all common processes Particularly suitable for peroxide extraction bleaching using the cold pad-batch process Also highly suitable for silicate-free pad-steam bleaching Excellent stabilizing properties resulting in very reliable processing and very good bleaching Extremely high iron-bonding power EDTA-free</p>
BAYSTABIL® LF	<p>Organic stabilizer for discontinuous alkaline hydrogen peroxide bleaching</p> <p>Anionic Suitable for cellulose and cellulosic/synthetic blends Particularly suitable for bleaching in long liquors in all common pretreatment systems</p>
TANNEX® BCA-N	<p>Surfactant-based stabilizer for discontinuous hydrogen peroxide bleaching</p> <p>Anionic Prevents running creases Ensures good absorbency and a soft hand Low-foaming</p>

Product Name	Brief Description
TANNEX® BFD	Mineral-based stabilizer for discontinuous pre-treatment of cotton Nonionic For cotton and cotton blends, especially pretreatment of knitted fabrics Very good wetting properties, good dispersing properties Low-foaming; can be dosed
TANNEX® CB	Surfactant-free organic stabilizer for hydrogen peroxide bleaching in strongly alkaline liquors Anionic For pretreatment of cotton and cotton blends Suitable for all bleaching processes Prevents damage by catalysts Good dispersing properties, prevents limescale deposits on substrate and machinery
TANNEX® CPB	Surfactant-free organic stabilizer for cold pad-batch bleaching with hydrogen peroxide Anionic Can also be used in combination with sodium silicate Good chelating capacity for heavy metal ions
TANNEX® CX	Stabilizer for discontinuous hydrogen peroxide bleaching Anionic For cellulosic fibers and their blends For discontinuous HT bleaching on package units and warp beams and in autoclaves (wovens). Suitable for application on the jig; process can be started at the boil
TANNEX® GEO	Stabilizer based on natural minerals for discontinuous hydrogen peroxide bleaching Nonionic For cellulose and cellulosic blends Balanced bleaching auxiliary with excellent stabilizing properties Very high whiteness, very good DP values Cleaning due to special washing mechanism Low-foaming, prevents running creases
TANNEX® RENA liquid	Ecological stabilizer for hydrogen peroxide bleaching Alkaline solution of inorganic salts and organic chelating agents Excellent for all cellulose and cellulosic/synthetic blends For all common continuous hydrogen peroxide bleaching processes, especially the cold pad-batch, pad-steam, pad-roll and under-liquor bleaching methods Excellent stabilizing properties, low-foaming, high soil bonding capacity Very high whiteness, very good DP values Very mild bleaching conditions due to low alkali concentrations
TANNEX® SPECIAL	Bleaching auxiliary for sodium chlorite bleaching Anionic Reduces the release of chlorine dioxide gas Good buffering effect Prevents corrosion of stainless steel Good wetting and scouring action

Product Name	Brief Description
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Peroxide elimination

BAYLASE® EPK	<p>Auxiliary for environment-friendly removal of residual peroxide before reactive dyeing</p> <p>Enzymatic elimination of residual peroxide after bleaching to enhance the reliability of processing Reduces process times before reactive dyeing Regulates pH Environment-friendly</p>
BAYREDUCT® PRN 01	<p>Auxiliary to remove residual peroxide</p> <p>Reductive elimination of residual peroxide after bleaching; also enhances the reliability of processing Reduces process times before reactive dyeing Not temperature-dependent Regulates pH</p>
TANAZYM PK	<p>Auxiliary for environment-friendly removal of residual peroxide before reactive dyeing</p> <p>Enzymatic elimination of residual peroxide after bleaching to increase the reliability of processing Low concentrations required Reduces process times before reactive dyeing Environment-friendly</p>
TANNEX® EL	<p>Auxiliary to remove residual peroxide</p> <p>Destroys residual peroxide after bleaching Low concentrations required regardless of the amount of residual peroxide Reduces process times before reactive dyeing Application is not temperature-dependent</p>
TANNEX® RP	<p>Auxiliary to remove residual peroxide</p> <p>Reductive elimination of residual peroxide after bleaching; also improves reliability of processing Very economical Reduces process times before reactive dyeing Application is not temperature-dependent</p>

Product Name	Brief Description
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Wetting agents

ERKANTOL® AS	<p>Wetting agent use in the pretreatment and dyeing of cellulose and cellulosic blends</p> <p>Anionic Low-foaming Improves dye penetration Mainly used in dye liquors Prevents film formation and foaming Can be used in sizing and lubricating liquors Stable to alkali up to 20 g/l caustic soda Not suitable for application on the jet</p>
ERKANTOL® NR	<p>Wetting and deaeration agent for use in the pretreatment and dyeing of cellulose and cellulosic blends</p> <p>Nonionic For continuous and discontinuous processes Phosphate-free and solvent-free Non-foaming Excellent deaeration of wound packages Stable to alkali up to 30 g/l caustic soda</p>
NOFOME BLF 01	<p>Deaerating agent with high wetting properties for wet finishing of all types of textiles</p> <p>Nonionic Good wetting capacity Good deaeration leading to optimum liquor penetration Particularly suitable for dry-on-wet application on cotton Good efficacy in a broad pH range</p> <p>Note Can cause swelling and reduce the Shore hardness of unsuitable roller clothings. Seals, pipes, etc. made of PVC and similar materials are not compatible with NOFOME BLF 01.</p>
TANAWET BC	<p>Highly effective wetting and scouring agent for alkaline pretreatment of cellulose and cellulosic blends.</p> <p>Anionic Good wetting capacity under alkaline conditions Good scouring, emulsifying and dispersing properties Relatively good bonding of heavy metal ions, leading to a reduction in catalytic damage Stable to alkali up to 175 g/l caustic soda</p>
TANAWET N-J	<p>Low-foaming, biodegradable wetting agent for finishing of cellulose and cellulosic blends</p> <p>Nonionic Improves the running properties of goods on jet and overflow units Suitable for enzymatic desizing Good scouring of all types of impurities Readily biodegradable Stable to alkali up to 10 g/l caustic soda</p>

Product Name	Brief Description
TANAWET N-LF	<p>Wetting agent for pretreatment and dyeing of cellulose and cellulosic blends</p> <p>Nonionic Foam-free Suitable for dyeing, printing and finishing For use in all continuous processes Simple to handle</p>
TANAWET PAD	<p>All-round, low-foaming wetting agent for pad and exhaust processes on cotton and polyester/cotton blends.</p> <p>Anionic Suitable for all common continuous pretreatment processes Particularly suitable for hypochlorite bleaching processes Suitable for use in pad dyeing with all common dye classes Stable to alkali up to 10 g/l caustic soda</p>
TANAWET PB liquid	<p>Wetting agent for the pretreatment and bleaching of cellulose and cellulosic blends</p> <p>Effective in a broad pH range (2-14) High scouring, emulsifying and dispersing capacity Good solubility; easy to dose Readily biodegradable Stable to alkali up to 110 g/l caustic soda</p>
TANAWET Q	<p>Concentrated non-foaming wetting and deaerating agent</p> <p>Nonionic Especially suitable for wetting textiles on jet, yarn and beam apparatus and padding equipment Very good wetting properties Suitable for enzymatic desizing Very good deaerating properties Suitable for discontinuous and continuous preparation and dyeing Very low-foaming Readily biodegradable</p>
TANAWET RC-N	<p>Wetting agent for the pretreatment and bleaching of cellulose and their blends</p> <p>Anionic Effective over a broad pH range (2-14) High scouring, emulsifying and dispersing capacity Improves the replenishment of water in wet-on-wet impregnation Can be used in both continuous and discontinuous processes Stable to alkali up to 125 g/l caustic soda</p>

Product Name	Brief Description
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Scouring agents

DIADAVIN® ANE	<p>Scouring/wetting agent for pre/post-extraction of cellulosics and cellulosic blends</p> <p>Anionic/nonionic Good emulsifying and dispersing of fats, waxes and knitting lubricants Low-foaming at all temperatures Recommended to improve rewetting properties Easy to wash out Recommended for continuous and discontinuous processes Suitable for application on the jet</p>
DIADAVIN® DSP	<p>Scouring agent to remove lubricants from elastan fibers</p> <p>Nonionic/cationic Removes silicone-containing lubricants Good scouring and wetting action Pronounced dispersing properties Reduces warp streaks and spots on polyamide fibers Free of CFCs and PER Phosphate-free</p>
DIADAVIN® EPF 01	<p>Scouring agent of polyamide/elastan hosiery and foundation garments</p> <p>Anionic/nonionic Can be applied in the dyebath Biological elimination Removes silicone oils and knitting lubricants from hosiery and foundation garments Pre-scouring is not normally necessary, thus reducing energy requirements Suitable for application on the jet</p>
DIADAVIN® ESW 01	<p>Scouring agent to remove silicone-containing lubricants from elastic goods, including CO/elastan fiber blends</p> <p>Nonionic/cationic CFC-free and PER-free Phosphate-free Suitable for continuous and discontinuous processes Good dyeing and printing properties No spots or streaks Soft, high-bulk hand Smooth surface appearance Not suitable for application on the jet</p>
DIADAVIN® NSE	<p>Scouring and wetting agent for the pretreatment of all types of fiber</p> <p>Nonionic Low-foaming above 90 °C Particularly suitable for spot removal Very effective in enzymatic desizing Can be used in continuous and discontinuous processes Stable to alkali up to 50 g/l caustic soda Not suitable for application on the jet</p>

Product Name	Brief Description
DIADAVIN® TH-G liquid	<p>Scouring agent for the pretreatment of cellulosic fibres and their blends with synthetic fibres and for the washing-off of dyed and printed goods</p> <p>Anionic High emulsifying and antiredeposition power Easy to wash off, therefore extremely useful in scouring before repellent finishes Effective detergent for washing-off prints and dyeings of natural and man made fibres and their blends Removes unfixed surface dyes while afterscoured material maintains a good fastness level</p>
DIADAVIN® UFN	<p>Special scouring and stain removal agent for all types of textiles</p> <p>Nonionic Very good emulsifying power for paraffin wax Suitable for enzymatic desizing Suitable for continuous and discontinuous processes Stable to alkali up to 40 g/l caustic soda Foam-free above 70°C APEO-free</p>
DIADAVIN® UN	<p>Versatile scouring agent for the pretreatment of cellulose and cellulosic blends</p> <p>Nonionic Excellent emulsifying of paraffin waxes and knitting lubricants Low-foaming at all temperatures Suitable for continuous and discontinuous processes Suitable for enzymatic desizing Stable to alkali up to 40 g/l caustic soda Suitable for application on the jet</p>
DIADAVIN® UNJ	<p>Scouring agent for the pretreatment of cellulose, synthetics and their blends on the jet</p> <p>Nonionic Very good emulsifying of paraffin waxes and knitting lubricants Foam-suppressant Suitable for continuous and discontinuous processes Suitable for use in enzymatic desizing Stable to alkali up to 40 g/l caustic soda</p>
TANATERGE® BKG	<p>Wetting/scouring agent for pre-scouring and bleaching of cellulose and cellulosic blends</p> <p>Anionic Suitable for treatment of woven and knitted goods on continuous washing and bleaching units Good emulsifying and dispersing capacity for natural impurities, lubricants and dirt Excellent wetting properties in acid, neutral and alkaline liquors. Stable to alkali bleaching liquors up to 40 g/l caustic soda Very good dosing and easy to handle</p>

Product Name	Brief Description
TANATERGE® CFP	<p>Low-foaming scouring agent to pretreat cellulosics, synthetics and blends of these fibers</p> <p>Nonionic Good dispersing action Suitable for post-scouring dyed and printed fabrics Readily biodegradable Recommended for continuous and discontinuous processes Suitable for application on the jet</p>
TANATERGE® CSU liquid	<p>Scouring/wetting agent for the pretreatment of cellulosics and cellulosic blends</p> <p>Anionic/nonionic Good emulsifying capacity for paraffin oils and waxes Suitable for continuous and discontinuous processes Suitable for acid, neutral and alkaline processes Good removal of starch, PVA and CMC sizes and size blends Stable to alkali in bleaching liquors up to 55 g/l caustic soda</p>
TANATERGE® DPF 01	<p>Concentrated scouring agent for feathers and down</p> <p>Nonionic High washing power for the removal of superfluous natural fats, without impoverishment of the substrate High voluminosity and elasticity of the down feathers Good removal of impurities Generates a smelling-free end product Has a slight disinfecting action Relatively low foaming Low viscosity, easy to dose Good biodegradability</p>
TANATERGE® EF	<p>BIAS-free scouring agent for the pretreatment of all types of textiles</p> <p>Good emulsifying capacity for paraffin waxes and mineral oils High soil bonding capacity Suitable for continuous and discontinuous processes Readily biodegradable Stable to alkali up to 60 g/l caustic soda</p>
TANATERGE® ELB	<p>Non-foaming wetting agent and emulsifier for the pre-treatment of cotton articles and their blends Is based upon special clay-technology</p> <p>Nonionic Excellent removal of waxes, mineral oils, silicone oil and other impurities Very good wetting properties Good dispersion of insoluble particles Suitable for the pre-treatment of woven and knitted fabrics Non-foaming Readily biodegradable</p>
TANATERGE® INF	<p>Scouring agent for pre and post-scouring; suitable for application on jet units and washing units with rapid liquor circulation</p> <p>Nonionic Good wetting, dispersing and emulsifying of oils and impurities. Low-foaming Improves absorbency in the bleaching of cotton Readily biodegradable</p>

Product Name	Brief Description
TANATERGE® LFN	<p>All-round, low-foaming scouring agent for pre and post-scouring of all types of textiles</p> <p>Nonionic Very good emulsifying of fatty and oily impurities Low-foaming; suitable for continuous and discontinuous processes Very good dosing; easy to handle Readily biodegradable Stable to alkali up to 30 g/l caustic soda</p>
TANATERGE® N-EW conc.	<p>Highly effective wetting/scouring agent for the pretreatment of all types of textiles</p> <p>Nonionic Very good scouring of fatty and oily impurities Suitable for the removal of lubricants and water-soluble sizes Very good dosing; simple to handle Treated goods have good absorbency Stable to alkali in bleaching liquors up to 55 g/l caustic soda</p>
TANATERGE® NWU liquid	<p>Scouring agent for the pretreatment, bleaching and post-scouring of all types of textiles</p> <p>Anionic/nonionic Suitable for pre and post-scouring of natural and synthetic fibers Good removal of greasy and oily impurities Suitable for continuous and discontinuous processes Stable to alkali up to 80 g/l caustic soda</p>
TANATERGE® NWU conc.	<p>Highly effective, concentrated scouring agent for the pretreatment, bleaching and post-scouring of all types of textiles</p> <p>Anionic/nonionic Highly concentrated and therefore economical Suitable for pre and post-scouring of natural and synthetic fibers Good emulsifying of fatty and oily impurities Suitable for continuous and discontinuous processes Stable to alkali cold up to 55 g/l caustic soda; 90 °C 10 g/l caustic soda</p>
TANATERGE® SD	<p>Low-foaming, solvent-containing scouring agent to remove oils, fats and paraffin waxes from natural and synthetic fibers</p> <p>Nonionic Good wetting properties Good emulsifying and dispersing of fats, waxes and knitting lubricants. Suitable for continuous and discontinuous processes Does not include chlorine-containing solvents</p>
TANASPERSE® MDA	<p>Dispersing agent with high buffering capacity for desizing synthetic fibers</p> <p>Removes polyester and acrylic sizes under the same conditions so a fresh bath is not required Excellent soil bonding capacity Suitable for continuous and discontinuous processes</p>

Product Name	Brief Description
TANASPERSE® OH	<p>Dispersing agent for alkaline pretreatment of cellulosic fibers and cellulosic blends to prevent precipitation caused by hard water</p> <p>Good dispersing of precipitation caused by hard water and hard water salts on the fiber Prevents crystallization of alkaline earth salts High soil bonding capacity Enhances the effect of surfactants Improves washing off of impurities</p>
TANEDE® NOVA	<p>Special product to remove oily and fatty substances from all types of textiles</p> <p>Excellent removal of mineral oils, paraffin oils, fatty acid esters and other fats Good dispersing of hard water salts Prevents the substrate reabsorbing fats Suitable for automated dosing units Stable to alkali up to 60 g/l caustic soda</p>

Yellowing protection

SPANSCOUR EFR 01	<p>Auxiliary to reduce yellowing of polyamide, polyester and blends of these fibers with elastan fibers during heat-setting.</p> <p>Nonionic Reduces yellowing caused by heat treatment. Suitable for articles that have to be heat-set to ensure dimensional stability Especially suitable for articles that tend to yellow during subsequent heat treatment (e.g. in the mold press) Should be applied by padding if possible Suitable for pale shades and fluorescent whitened substrates</p>
SPANSCOUR GR liquid	<p>Auxiliary to prevent yellowing of polyamide, polyester and blends of these fibers with elastan fibers during heat-setting</p> <p>Nonionic Reduces yellowing caused by heat treatment Suitable for articles that have to be heat-set to ensure dimensional stability Especially suitable for articles that tend to yellow during subsequent heat treatment (e.g. in the mold press) Should be applied by padding if possible Suitable for pale shades and fluorescent whitened substrates APEO containing</p>

Product Name	Brief Description
SPANSCOUR SPARK	<p>Special auxiliary to prevent yellowing of polyamide and polyamide/elastan articles during heat treatments (eg heat-setting and/or molding)</p> <p>Nonionic Prevents yellowing caused by heat treatment Especially usefull for articles which are fluorescent whitened or dyed in pale shades Highly suitable for molding articles Prevents yellowing of the fibre and yellowing of impurities (eg oils) Prevents oxidation of amino-endgroups of polyamide caused by heat treatment Ensures more reproducible dyeings, with optimal colour-yield Particularly useful for directly heated stenters, where NOx-formation is a problem Environmentally friendly and safe: APEO free and Solvent free Can be used for textiles which have to meet EU-Ecolabel and Öko-Tex 100 standard</p>
SPANSCOUR YP	<p>Auxiliary to prevent yellowing of polyamide, polyester and blends of these fibers with elastan fibers during heat-setting</p> <p>Nonionic Recommended for pale shades and fluorescent whitened articles Suitable for articles that have to be heat-set to ensure dimensional stability Prevents yellowing caused by heat treatment Especially suitable for molding articles Improves yield and reproducibility of subsequent dyeings on PA.</p>

Anti-phenolic yellowing agent

LEVASALT® AY	<p>Yellowing inhibitor for polyamide fibres</p> <p>Anionic Excellent phenolic yellowing inhibiting property Excellent anti-yellowing effect caused by Vanillin and BHT (butylated-hydroxy-toluene) Good affinity to polyamide Durable to washing</p>
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Product Name	Brief Description
FWAs	
BLANKOPHOR® ACR liquid	<p>Cationic FWA for acrylics</p> <p>Brilliant whitening effect with a reddish cast Suitable for use in chlorite bleaching Compatible with cationic softeners Suitable for use in gel dyeing</p>
BLANKOPHOR® BA 267% BLANKOPHOR® BA liquid	<p>Anionic FWAs for cellulosics, polyamide 6 and 6.6, wool and silk</p> <p>High affinity; extremely suitable for exhaust processes Stable at pH 5-13 Excellent wetfastness Good stability in peroxide and reduction bleaching liquors Can also be used in boiling-off baths Extremely suitable for fluorescent whitening of viscose and modal fibers</p>
BLANKOPHOR® BA liquid B	<p>Anionic FWA for polyamide 6 and 6.6, wool and silk</p> <p>High affinity, extremely suitable for exhaust application Stable at pH 5-13 Excellent wetfastness properties The shading dye has good stability in reduction bleaching liquors BLANKOPHOR® BA liq. B is the shaded version of BLANKOPHOR® BA liq.</p>
BLANKOPHOR® BBU 250 % BLANKOPHOR® BBU liquid 01	<p>Anionic FWAs for cellulosics</p> <p>Low affinity; particularly suitable for pad application Can also be applied by the exhaust method with an electrolyte Extremely good compatibility with resin finishing liquors Stable at pH 4.5-13 Tried and tested additive for white discharge pastes Particularly suitable for use in peroxide impregnation bleaches, e.g. cold pad-batch bleaching, pad-steam bleaching, under-liquor bleaching</p>
BLANKOPHOR® BRU 225% BLANKOPHOR® BRU liquid	<p>Anionic FWAs for cellulosics</p> <p>Suitable for pad application Can also be applied in the exhaust process with an electrolyte Good resistance to acids and electrolytes Stable at pH 3.5-13 Excellent compatibility with resin finishing liquors Excellent, brilliant whitening effect Primarily suitable for peroxide under-liquor bleaching</p>
BLANKOPHOR® BSUN liquid	<p>Anionic FWA for cellulosics</p> <p>Suitable for pad application Excellent stability to acids and electrolytes Stable at pH 1-13 Extremely good compatibility with resin finishing liquors, even with strongly acidic catalysts Optimum, brilliant whiteness Suitable for application in the felt industry (WO) in strongly acidic liquors</p>

Product Name	Brief Description
BLANKOPHOR® BUA liquid	<p>Anionic FWA for cellulose</p> <p>Specifically for peroxide continuous bleaching of knitted fabrics Also suitable for exhaust application Stable at pH 4.5-13 Not suitable for use in reactive finishes Optimum, brilliant whiteness</p>
BLANKOPHOR® CCB BLANKOPHOR® CCB liquid	<p>Dazzling new anionic FWA's for continuous applications on cellulose</p> <p>Part of a new range of high quality, dazzling fluorescent whitening agents Particularly suitable for pad application, due to its low affinity Extremely suitable for peroxide impregnating liquors, e.g. for cold pad batch bleaching, pad-steam bleaching immersion bleaching</p>
BLANKOPHOR® CCB liquid B BLANKOPHOR® CCB liquid R	<p>Strongly shaded fluorescent whitening agents (FWA) for continuous and discontinuous applications on cellulose</p> <p>The B-type has a bluish violet shade and the R-Type has a reddish violet shade</p> <p>Particularly suitable for pad application due to its low affinity Also suitable for exhaust application e.g. in aqueous application and peroxide bleaching Gives the material a high white with a bluish or reddish violet shade Can be used in combination with BLANKOPHOR® CCB liquid and/or with each other to give a range of shades</p>
BLANKOPHOR® CCR liquid	<p>Dazzling new anionic FWA for continuous applications on cellulose</p> <p>Part of a new range of high quality, dazzling fluorescent whitening agents Best suitable for pad application Extremely brilliant whiteness Very stable to acids and electrolytes Excellent compatibility with resin finishing liquors Extremely suitable for immersion bleaching</p>
BLANKOPHOR® CLE liquid BLANKOPHOR® CLE liquid B	<p>Anionic FWAs for polyamide 6 and 6.6 and cellulose</p> <p>High lightfastness Very good wet lightfastness Good fastness to chlorinated water Premium products for swimwear fabrics with shaping power Level uptake and high bath exhaustion Stable at pH 2-10 BLANKOPHOR® CLE liquid B is the shaded version of BLANKOPHOR® CLE liquid</p>
BLANKOPHOR® CO BLANKOPHOR® CO liquid	<p>Dazzling new anionic FWA's for cellulosic fibres, polyamide, wool and silk</p> <p>Part of a new range of high quality, dazzling fluorescent whitening agents Particularly suitable for exhaust application due to its high affinity Excellent wetfastness properties Very stable in peroxide and reductive bleaching liquors Can be used in boiling-off baths Extremely suitable for fluorescent whitening of viscose and modal fibres</p>

Product Name	Brief Description
BLANKOPHOR® CO liquid B-B BLANKOPHOR® CO liquid R	Strongly shaded fluorescent whitening agents (FWA) for discontinuous applications on cellulose The B-B-type has a bluish violet shade and the R-Type has a reddish violet shade Particularly suitable for exhaust application due to its high affinity Excellent wetfastness properties Good stability in peroxide bleaching liquors Extremely suitable for fluorescent whitening of viscose and modal fibres Gives the material a high white with a bluish or reddish violet shade Can be used in combination with BLANKOPHOR® CO liquid and/or with each other to give a range of shades
BLANKOPHOR® DRS liquid 200% O2	Cationic FWA for acrylics and blends of acrylics with wool and silk Brilliant whiteness without chlorite bleaching High whiteness on PAN/WO without using a special FWA for the wool Can be applied by the exhaust and pad-steam processes (PAN tow) Suitable for use in gel dyeing Stable at pH 2-5
BLANKOPHOR® ER liquid 330% O1	Nonionic disperse FWA for polyester Very economical Excellent whiteness maximum Suitable for the exhaust and thermosol processes Stable in bleaching liquors Very suitable for molding articles Suitable for the exhaustion/fixation process One-bath whitening and resin finishing of PES/CO Stable at pH 2-12
BLANKOPHOR® MAN O1	Nonionic FWA for PAN spinning mass Suitable for use in the dry spinning process and as an additive in wet spinning High whiteness Good lightfastness Neutral cast
BLANKOPHOR® PAS liquid BLANKOPHOR® PAS liquid B	Anionic FWA's for polyamide Suitable for exhaust and continuous processes Very good lightfastness Brilliant whiteness Stable at pH 2-12 BLANKOPHOR® PAS liquid B is the shaded version of BLANKOPHOR® PAS liquid
BLANKOPHOR® PEG liquid	Dazzling new nonionic FWA for polyester fibres Very economical Good whiteness in the exhaust process from a temperature of 95 °C (even without a carrier) High whiteness value Stable in bleaching liquors One-bath fluorescent whitening of PES/CO blends in combination with peroxide bleaching or resin finishing

Product Name	Brief Description
BLANKOPHOR® PET liquid	Dazzling new nonionic FWA's for polyester fibres
BLANKOPHOR® PET liquid B	Part a new range of high quality, dazzling fluorescent whitening agents Very economical Excellent whiteness maximum Stable to peroxide bleaching liquors, so suitable for one bath cellulosic/PES bleach Suitable for moulded articles Suitable for the AF process One-bath fluorescent whitening/resin finishing of PES/CO BLANKOPHOR® PET liquid B is the shaded version of BLANKOPHOR® PET liquid
BLANKOPHOR® REU 180%	Anionic FWA for cellulose, wool and silk Excellent in neutral to weakly acidic resin finishing liquors Good whiteness on PES/CO with a high cotton content without using an FWA for the PES Excellent leveling properties Excellent whiteness on wool and silk in the exhaust process Very suitable for shading pastel dyeings on wool High lightfastness Stable at pH 3.5-13; in reactive finishes stable at above pH 4.5
BLANKOPHOR® ULTRAWHITE	Dazzling, new, anionic shaded FWA for cellulosic fibres High affinity Extremely suitable for exhaust application Excellent wetfastness properties High whiteness with bluish cast Good stability in peroxide bleaching liquors Extremely suitable for fluorescent whitening of viscose and modal fibres
SHADING IRISOL RL	Shading dye for cellulose Gives with a brilliant blue cast Good lightfastness The dye can be used in exhaust and continuous processes Not stable to bleaching, even in reductive bleaching liquors
SHADING VIOLET DRS	Shading dye for acrylics Basic dye with a red-violet cast Can be applied in the exhaust or pad-steam process (PAN tow), preferably in combination with BLANKOPHOR® DRS liq. 200 % 02. Very suitable for gel dyeing

Product Name	Brief Description
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Auxiliaries for dyeing cellulosics and cellulosic blends

Dispersing and wetting agents

AVOLAN® IS	Dispersing agent for disperse and vat dyes Anionic Low-foaming
AVOLAN® IS liquid	Dispersing agent for disperse dyes Anionic Low-foaming

Wetting agents - see pretreatment

Crease inhibitors

LUBIT® CO	Auxiliary to prevent running creases, specifically for cellulosics and blends of cellulosics with synthetics Nonionic Very suitable for all processes Suitable for one-bath dyeing of polyester/cellulosic blends For use in pretreatment and dyeing Suitable for application on jet dyeing units Low-foaming
PERSOFTAL® L	Crease-prevention agent and softener Anionic For cellulosics, wool, polyamide, polyester and blends of these fibers For use in pretreatment and dyeing Suitable for application on jet dyeing units Stable at temperatures up to 135 °C High stability to alkalis and electrolytes Low-foaming

Product Name	Brief Description
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Dyeing accelerators, dissolving agents, antimigration agents, antifrosting agents

TANASSIST® ACE conc.	<p>Dyeing auxiliary (accelerator) for acrylics in blends with cellulose</p> <p>Weakly anionic Dyeing accelerator for dyeing acrylics with cationic dyes Speeds up dyeing Excellent reserving of adjacent fibers Improves liquor stability</p>
LEVALIN® CPS	<p>Padding auxiliary for pad-steam dyeing of pile fabrics made of cellulose and cellulose blends, especially blends with acrylics</p> <p>Anionic Improves pad liquor stability Prevents frosting</p>
LEVALIN® MIP	<p>Auxiliary to prevent migration of dyes in thermosol dyeing of PES and PES/CEL blends</p> <p>Weakly anionic For use in continuous dyeing of woven and knitted fabrics and tops Even low concentrations are highly effective Prevents migration during drying Easy to wash off so it does not affect hand of goods</p>
LEVALIN® SRN 01	<p>Padding auxiliary for dyeing cellulose</p> <p>Nonionic For pad-steam dyeing of CEL pile fabrics Dyeing of viscose lining fabrics by the exhaust, pad-jig, pad-roll and pad-steam processes Dyeing of CEL fibers in the cold pad-batch process Improves the solubility of direct dyes Low-foaming Improves the stability of concentrated cold pad liquors</p>
LEVALIN® VKU-F	<p>Auxiliary for pad-steam dyeing of cellulose with reactive dyes</p> <p>Weakly anionic Prevents frosting Textile printing Improves the solubility of anionic dyes Excellent wetting properties Good dye yield</p>

Product Name	Brief Description
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Leveling agents for dyeing cellulosics and cellulosic blends

AVOLAN® IL	<p>Leveling agent for dyeing cellulosics and cellulosic/wool blends</p> <p>Nonionic Used in union acid one-bath dyeing with MESITOL® HWS as the reserving agent Low-foaming</p>
LEVALIN® 221	<p>Leveling agent for dyeing cellulosics with vat dyes</p> <p>Anionic Very good levelling effect which is particularly beneficial for rapid striking dyes and dye material with high dyestuffs affinity Effective at all processing stages, e.g. greige, bleached or mercerised Suitable for all forms of fibre constructions e.g. loose fibres, yarn, knitted and woven fabrics, garments Suitable for correction of unlevel dyeings and stripping off-shade dyeings Economical</p>
LEVEGAL® ED	<p>Leveling agent with affinity for the dye for the dyeing of cellulosics with direct dyes</p> <p>Nonionic/weakly anionic Excellent leveling effect even with dyes and substrates with high affinity Very level retarding of direct dyes and positive influence on the combinability of dyes Low-foaming Formaldehyde-free</p>
LEVEGAL® RL	<p>Auxiliary for dyeing cellulosics with reactive dyes</p> <p>Anionic Improves the stability of dissolved dyes, i.e. enhances dye diffusion and thus the levelness of dyeings Dissolves and disperses impurities in the fiber Does not foam Stable to hard water</p>
TANALEV® K-DC 01	<p>Special low foaming product for single-bath scouring and dyeing of knitted cotton fabric with reactive, direct and vat dyes on winch and jet equipment</p> <p>Anionic Excellent wetting properties; after a short dwell time the fabric is thoroughly wetted out Provides very good washing and emulsifying effect throughout the whole dyeing process, even on insufficiently pre-treated fabric Good dispersing effect for impurities present in cotton Gives levelled dyeings with reactive, direct and vat dyes Used in the TANALEV® K-DC 01 process prevents the formation of creases and gives the fabric a soft handle as well as better sewability Remains stable and fully effective under normal conditions for the given classes of dyes Easy to dissolve and can be used on all dosing systems Low foaming</p>

Product Name	Brief Description
TANAPAL® FFD	<p>Low-foaming leveling and penetration agent for direct dyes on cellulosics; specifically for fully-fashioned articles</p> <p>Nonionic Excellent penetration of dyes, especially on seams Very good leveling and migration of dyes Good scouring and emulsifying action to remove residual lubricants Low-foaming</p>

Anti-reducing agent

SUSTILAN® N 02	<p>Auxiliary to prevent deterioration of direct dyes that are sensitive to reduction at the boil</p> <p>Anionic Auxiliary to prevent deterioration of direct dyes when dyeing cellulosics and cellulosic blends from a long liquor and in continuous processes (pad-steam process)</p>
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Reserving agents for cellulosics and cellulosic blends

MESITOL® HB liquid	<p>Reserving agent for dyeing CEL/WO blends in the union acid one-bath method</p> <p>Anionic Reserving agent for dyeing CEL/WO blends using the union acid one-bath process</p>
MESITOL® HWS liquid	<p>Reserving agent for dyeing CEL/WO blends in the union acid one-bath method</p> <p>Anionic Aftertreatment agent to improve the fastness of wool components to water For use as a reserving agent in combination with the leveling agent AVOLAN® IL</p>
MESITOL® NBS MESITOL® NBS liquid 01	<p>Reserving agents and auxiliaries to improve the wetfastness of cellulosic/polyamide blends</p> <p>Anionic Reserving of PA fibers to prevent staining with direct dyes in one-bath dyeing with CEL No reduction in lightfastness Low-foaming</p>
MESITOL® NBSJ 01	<p>Reserving agent and auxiliary to improve the wetfastness of cellulosic/polyamide blends</p> <p>Anionic Reserving of PA fibers to prevent staining by direct dyes in one-bath dyeing with CEL Stable to application on the jet</p>

Product Name	Brief Description
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Liquid alkaline buffer mixture

ALKAFLO	<p>Liquid alkaline buffer mixture for dyeing cotton with reactive dyes</p> <p>Greatly improves the reliability and reproducibility of dyeings pH control improves fixation of dyes Less dye hydrolysate and better dye yield Simple and clean to use</p>
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Neutralizing agents

TANACID® NA	Non-volatile neutralizing agents for bleached, mercerized and dyed substrates
TANACID® NAC (concentrated version)	<p>Very good neutralization of residual alkali even inside fibers</p> <p>Non-volatile</p> <p>Very effective neutralization of bleached linen</p> <p>Suitable for continuous and discontinuous application</p> <p>Compliance with OekoTex Standard 100</p> <p>Lower COD (chemical oxygen demand) than acetic acid</p> <p>Non-corrosive</p> <p>Readily biodegradable</p>
TANACID® UNA	<p>Concentrated neutralizing agent for bleached, mercerized and dyed substrates</p> <p>Very good neutralization of residual alkali even into the core of the fibers</p> <p>More effective neutralization than with pure volatile acids such as acetic acid and formic acid</p> <p>Enhances the whiteness of bleached articles</p> <p>Meets the specifications set by Oeko-Tex Standard 100</p> <p>The advantages of the TANACID® UNA versus acetic acid are most pronounced in cases where the requirements are the most severe: when low set-pH's are necessary, like in neutralizing mercerized fabrics, when short wash-off ranges are present (with less neutralizing effects by the water in the first units), when high amounts of acids are used in a certain recipe (example continuous sulphur dyeing) and when pump-capacity (acid dosing) is at its maximum-limit</p> <p>Very good biodegradability</p>

Product Name	Brief Description
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Aftersoaping agents for exhaust processes

BAYLASE® RP	<p>New generation of washing off agents for reactive dyeing</p> <p>Special enzyme system to remove the color from unfixed hydrolysate Saves water, energy and time Can improve fastness Mainly for heavy shades</p>
BAYLASE® Assist RP 01	<p>Special process regulator for use with BAYLASE® RP</p> <p>Used in combination with BAYLASE® RP</p>
BAYSOLEX® 42062	<p>Chelating and aftersoaping agent for reactive dyeing and printing</p> <p>Anionic Auxiliary to remove reactive dye hydrolysate Prevents staining and spotting of unprinted sections of fabric Prevents cross-staining of discharge prints on grounds dyed with direct dyes during washing-off Effective from 80 °C so particularly suitable for fiber blends</p>
TANATERGE® M-RE	<p>Mineral-based auxiliary for the post-scouring of reactive dyes on cellulosic fibres</p> <p>Is based upon selected minerals Provides excellent removal of hydrolysed reactive dyestuffs with optimum colour fastness Is suitable for jet and overflow machines Is suitable for most circulation machines (yarn) Can be applied for the post-scouring of reactive printed goods Has very low chemical oxygen demand (COD) Is environmentally friendly</p>
TANATERGE® RE	<p>Aftersoaping agent for reactive dyeings on cellulose and cellulosic blends</p> <p>Anionic Very good removal of substantive dye hydrolysate Suitable for post-scouring of loose stock, yarn, wovens and knitted fabrics Suitable for use on all common units, e.g. winch becks, circulating liquor units and jets Very good dispersing power</p>
TANATERGE® REX	<p>Mineralized aftersoaping agent dyeings to remove residual reactive dye hydrolysate from cellulose</p> <p>Excellent removal of hydrolyzed dyes Ensures optimum colorfastness Very effective in the presence of electrolytes Suitable for application on jets, overflow units and winch becks No COD (chemical oxygen demand) so environment-friendly</p>

Product Name	Brief Description
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Aftertreatment agents for direct and reactive dyeings

LEVOGEN® BF 01	<p>Aftertreatment agent for dyeings and prints with direct dyes on cellulosics</p> <p>Cationic Improves wetfastness, especially fastness to water and perspiration May also improve washfastness at 40 °C, depending on the type of dye and depth of shade Slight sensitivity to sulfate</p>
LEVOGEN® DR	<p>Formaldehyde-free aftertreatment agent for direct and reactive dyeings and prints on cellulosics</p> <p>Cationic Improves wetfastness, especially fastness to water and perspiration May also improve washfastness at 40 °C, depending on the type of dye and depth of shade Aftertreatment of reactive dyeings significantly improves resistance to acids and/or storage in damp or acid conditions. Little or no change of shade Little or no impact on lightfastness Not sensitive to sulfate</p>
LEVOGEN® WRD	<p>Formaldehyde-free aftertreatment agent for direct and reactive dyeings and prints on cellulosics</p> <p>Cationic Improves wetfastness, especially fastness to water and perspiration Improves washfastness at 40 °C, depending on the type of dye and depth of shade Aftertreatment of reactive dyeings significantly improves resistance to acids and/or storage in damp or acid conditions. Not sensitive to sulfate</p>
TANAFIX SRC	<p>Formaldehyde-free cationic aftertreatment agent for cellulosics and silk</p> <p>Cationic Improves the wetfastness of dyeings with direct, reactive and acid dyes Improves washfastness at 40 °C, depending on the type of dye and depth of shade Aftertreatment of reactive dyeings significantly improves resistance to acids and/or storage in damp or acid conditions Little or no change of shade Little or no impact on lightfastness Not sensitive to sulfate</p>

Product Name	Brief Description
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Auxiliaries for dyeing wool and wool blends

Leveling agents

AVOLAN® AV 200%	<p>Leveling agent for dyeing wool</p> <p>Nonionic/weakly cationic Leveling of differences in affinity in the wool when dyeing with a tendency to tippiness with acid, chrome and 1:1 metal-complex dyes Leveling and brightening of faulty dyeings with the above types of dye Particularly good affinity for dyes</p>
AVOLAN® IL	<p>Leveling agent for dyeing wool and wool/cellulosic blends</p> <p>Nonionic Leveling agent for dyeing wool with non-sulfonated 1:2 metal-complex dyes Leveling and brightening of faulty dyeings with the above types of dye Dyeing of union blends Low-foaming</p>
AVOLAN® IS AVOLAN® IS liquid	<p>Dispersing agent for dyeing polyester and polyester/wool blends</p> <p>Anionic For use in disperse dyeing of PES For dyeing PES/WO with disperse and acid dyes or non-sulfonated 1:2 metal-complex dyes or corresponding dyestuff blends Very high dispersing effect Low-foaming</p>
AVOLAN® IW AVOLAN® IW liquid	<p>Dispersing agents for dyeing acrylics and acrylic/wool blends</p> <p>Nonionic Very good dispersing properties Prevent the accumulation and smearing of dyes on the sides of dyeing units</p>
AVOLAN® RW	<p>Special leveling agent for dyeing wool with reactive dyes</p> <p>Nonionic/cationic Auxiliary with affinity for both fibers and dyes in wool/reactive dye systems Affinity for dyes and fiber ensures level uptake of dyes</p>
AVOLAN® S AVOLAN® S 200%	<p>Excellent leveling agents for dyeing wool</p> <p>Nonionic/cationic Leveling agents for dyeing wool with acid, chrome and 1:1 and 1:2 metal-complex dyes For leveling and brightening of faulty dyeings with the above types of dye Improves stability of dye solutions Reduces differences in staining resulting from differences in the affinity of the wool Speeds up wetting out of the wool Low-foaming</p>

Product Name	Brief Description
AVOLAN® SCN 150	Leveling agent for dyeing wool Nonionic For dyeing wool with acid, chrome and 1:1 metal-complex dyes that are difficult to level For leveling and brightening faulty dyeings with the above types of dye Low-foaming
AVOLAN® UL 75	Leveling agent for dyeing wool and wool/synthetic blends Amphoteric Versatile leveling agent for dyeing wool and wool blends with acid, chrome, 1:1 and 1:2 metal-complex dyes For leveling and brightening faulty dyeings with the above types of dye Permits dyeing with a combination of acid and 1:2 metal-complex dyes
TANAPAL® AD	Leveling agent for dyeing wool and polyamide Nonionic Excellent leveling without impairing dye yield Level dyeings on wool that has been given a felt-free finish Low-foaming
TANAPAL® LM TANAPAL® LMC	Versatile leveling agent for wool and polyamide Amphoteric Excellent leveling of wool dyed with acid, milling, 1:1 metal-complex, afterchroming, sulfonated and 1:2 metal-complex dyes and blends of these dyes. Affinity for dyes and fibers.
TANAPAL® WL	Special leveling agent for dyeing wool with 1:2 metal-complex, afterchroming and acid dyes Amphoteric Good regulation of uptake Excellent leveling Prevents tippy dyeings No drain effect Relatively low foaming

Crease-resist agent

PERSOFTAL® L	Crease-prevention agent and softener Anionic For cellulosics, wool, polyamide, polyester and blends of these fibers For use in pretreatment and dyeing Suitable for application on jet dyeing units Stable at temperatures up to 135 °C High stability to alkalis and electrolytes Low-foaming
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Product Name	Brief Description
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Reserving agent

MESITOL® HB liquid	Reserving and agent for wool blends dyeing Anionic Reserving agent for dyeing solid shades on WO/PA blends with 1:2 metal-complex dyes
MESITOL® HWS liquid	Reserving and aftertreatment agent for dyeing and printing wool/polyamide blends Anionic Aftertreatment agent to improve the fastness of wool dyeings to water

Non-tendering agents

BAYLAN® NT 02	Auxiliary for dyeing wool and fine animal hairs below the boil. Allows dyeing at the boil for a brief period Nonionic Leveling and dispersing properties Improves dye yield and stability of dyes in solution Softening properties Prevents damage to the wool Can be applied to advantage in the isoelectric pH range of wool Low-foaming Good wetting properties
NOFELT WA	Auxiliary to prevent wool felting Nonionic Reduces damage to wool during dyeing and other wet finishing processes Does not impair hand Does not foam
SUSTILAN® N 02	Auxiliary to prevent damage to wool during dyeing Anionic Prevents the deterioration of direct dyes that are sensitive to reduction
TANAPAL® KPA	Auxiliary to prevent damage to wool in HT dyeing of polyester/wool blends Anionic Allows dyeing of polyester/wool blends at over 108 °C Good dispersing and leveling properties Low-formaldehyde Wool does not yellow

Product Name	Brief Description
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Auxiliaries for dyeing polyamide

Dispersing and leveling agents

AVOLAN® IS	Dispersing and leveling agents for dyeing polyamide with metal-complex dyes
AVOLAN® IS liquid	Anionic Very good dispersing properties; good leveling properties Leveling of dyeings on polyamide and wool with 1:2 metal-complex dyes Low-foaming

Leveling agents

AVOLAN® UL 75	Leveling agent for dyeing polyamide Amphoteric For use in the dyeing of PA differential dyeing carpet materials in combination with AVOLAN® IW/IW liquid. Does not impair the lightfastness of cationic dyes on PA differential dyeing carpet material and allows very good differential dyeing Low-foaming
LEVEGAL® FTSK 01	Leveling agent with affinity for dyes and fibers for dyeing polyamide Anionic/nonionic For dyeing polyamide with selected acid dyes and 1:2 metal-complex dyes Leveling and brightening of faulty dyeings Improves the combination behavior of acid dyes Improves penetration of dyes Prevents streakiness
LEVEGAL® LPA	Leveling agent with affinity for dyes for dyeing polyamide Nonionic/weakly cationic For dyeing polyamide with selected acid dyes and 1:2 metal-complex dyes Leveling and brightening of faulty dyeings Improves the combination behavior of acid dyes Improves penetration of dyes Low-foaming so particularly suitable for application on jets
LEVEGAL® SER	Reserving agent with affinity for the fiber for use when dyeing polyamide Anionic For dyeing polyamide with 1:2 metal-complex dyes and acid dyes Excellent leveling of basic dyes when dyeing PA differential-dyeing material and to control differential dyeing Does not impair lightfastness, even in differential dyeing

Product Name	Brief Description
TANALEV® AB	<p>Leveling agent to prevent barriness when dyeing polyamide</p> <p>Anionic Very good leveling of barréness on polyamide Effective with virtually all acid dyes, allowing a wide choice of dyes with good wetfastness properties Low-foaming</p>
TANAPAL® AD	<p>Leveling agent for wool and polyamide</p> <p>Nonionic Ensures level dyeing of polyamide even when applying dyes with poor leveling properties in sub-optimum conditions Low-foaming</p>
TANAPAL® PA	<p>Leveling agent with affinity for dyes and fibers for use when dyeing polyamide</p> <p>Anionic Excellent leveling properties Improves combination behavior of acid dyes Prevents unlevel dyeings as a result of barréness Good retarding properties without any reduction in dye yield Suitable for acid dyes but not for metal-complex dyes Low-foaming</p>

Reserving agents

LEVEGAL® SER	<p>Reserving agent with affinity for the fiber for use when dyeing polyamide, polyamide blends and wool</p> <p>Anionic Excellent reserving of wool/polyamide blends when dyeing with sulfonated dyes</p>
MESITOL® AS	<p>Auxiliary to improve the wetfastness of polyamide fibers; reserving agent for dyeing polyamide/wool blends</p> <p>Anionic Stable to acid Low-foaming Reserves PA fibers from direct dyes in one-bath dyeing with CEL fibers Does not impair lightfastness Improves the wetfastness of dyeings on PA with all common dye classes Use in resist printing, especially printing of PA carpets Not sensitive to residual lubricants on the goods</p>

Product Name	Brief Description
MESITOL® BFN	<p>Efficient auxiliary to improve the wetfastness properties of dyeings on polyamide and blends of polyamide and elastan fibres Second generation product: light colour version, therefore applicable on shade sensitive fabrics</p> <p>Anionic Greatly improves the wetfastness of dyeings and prints on polyamide Outstanding improvement of cold wetfastness as well as above average improvement of washfastness at 50°C and 60°C No staining of white ground of prints No significant impact on the shade Good acid stability Resistant agent for WO/PA, WO/CEL and PA/CEL blends</p>
MESITOL® MBF	<p>Auxiliary to improve the wetfastness of polyamide fibers and blends of polyamide with elastan fibers</p> <p>Anionic Excellent improvement in the wetfastness of dyeings and prints on PA microfibers Improves washfastness of PA/elastan blends at 50 °C and 60°C Hardly affects shade and does not impair lightfastness Subsequent steaming and fixation processes do not impair fastness properties Stable to acids Reserving agent for WO/PA, WO/CEL and PA/CEL blends</p>
MESITOL® NBS MESITOL® NBS liquid 01	<p>Auxiliaries to improve the wetfastness of polyamide and reserving agents for polyamide/cellulosic blends</p> <p>Anionic Improve the wetfastness of all dye classes commonly used for PA, basic dyeable PA fibers dyed with cationic dyes; also improve the wetfastness of printed PA when applied as aftertreatment agents Reserving of PA to prevent staining by direct dyes in one-bath dyeing with CEL No reduction in lightfastness Low-foaming</p>
MESITOL® NBSJ 01	<p>Auxiliary to improve the wetfastness of polyamide and reserving agent for polyamide/cellulosic blends</p> <p>Anionic Improves the wetfastness of dyeings on PA with all common dye classes Reserving of PA fibers to prevent staining by direct dyes in one-bath dyeing with CEL</p>
TANEDE® IFM	<p>Aftertreatment agent to improve the wetfastness of dyeings and prints with acid dyes on polyamide Reserving agent for use when dyeing polyamide/cotton, PA/WO and union blends</p> <p>Anionic Improves the wetfastness of all dye classes commonly used for PA, basic dyeable PA fibers dyed with cationic dyes; also improves the wetfastness of printed PA when applied as an aftertreatment agent Reserving of PA fibers to prevent staining by direct dyes in one-bath dyeing with CEL Does not impair lightfastness Low-foaming</p>

Product Name**Brief Description****Antifrosting agent****LEVALIN® VKU-F**

Auxiliary for continuous dyeing and printing of polyamide

Weakly anionic

Prevents frosting

Carpet dyeing and space dyeing on polyamide

Continuous dyeing of polyamide and polyamide blends

Continuous dyeing of wool and vigoureux printing on wool

Improves the solubility of anionic dyes

Excellent wetting properties

Good dye yield

Product Name	Brief Description
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Auxiliaries for dyeing polyester and polyester blends

One-bath scouring and dyeing

TANADYE® M conc.	<p>Dyeing auxiliary for one-bath scouring and dyeing of polyester under HT conditions.</p> <p>Anionic Good bath stability, even if carriers are used Effective leveling action Low-foaming</p>
TANADYE® MCN	<p>Dyeing auxiliary for one-bath scouring and dyeing of polyester under HT conditions.</p> <p>Anionic Good bath stability, even if carriers are used Effective leveling action Low-foaming</p>

Dispersing agents

AVOLAN® IS AVOLAN® IS liquid	<p>Dispersing agents for dyeing polyester and polyester blends</p> <p>Anionic For dyeing PES with disperse dyes For dyeing PES/WO with disperse and acid or 1:2 metal-complex dyes or the corresponding dyestuff blends Low-foaming</p>
DS® conc.	Concentrated form of DS 14
DS 14®	<p>Dispersing agent for HT dyeing of polyester and cellulotics</p> <p>Anionic Dispersing auxiliary for printing and dyeing with disperse dyes Prevents filtration of dyes, even in unfavorable conditions Excellent dispersing action Non foaming</p>
LEVEGAL® DLP	<p>Dispersing agent with leveling properties for dyeing and fluorescent whitening of polyester</p> <p>Anionic For HT dyeing with disperse dyes, including dyeing in alkaline liquors Fluorescent whitening of polyester fibers with disperse FWAs using the HT process For use when dyeing the polyester component in blends Prevents filtration of dyes, even in unfavorable conditions Excellent dispersing and leveling action Suitable for automated dosing as it is easy to pump</p>

Product Name	Brief Description
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pH buffers

TANACID AB	<p>Acid buffer mixture with dispersing and chelating action for use when dyeing polyester, polyester/wool and polyester/cellulosics</p> <p>Anionic Excellent buffering action at pH 4-6</p>
TANACID SAB	<p>Acid buffer mixture with dispersing and chelating action for use when dyeing polyester, polyester/wool and polyester/cellulosics</p> <p>Anionic Particularly suitable for process water containing alkaline earths and bicarbonate Excellent buffering action at pH 4-6</p>

Crease inhibitors

LUBIT® CME	<p>Crease inhibitor for manmade fibers and blends</p> <p>Nonionic Prevents running creases and cracks when dyeing manmade fibers Softening action in the dyebath, allowing higher loads Allows dyeing of very lightweight qualities Low-foaming</p>
LUBIT® LC	<p>Crease inhibitor, dispersing and leveling agent</p> <p>Nonionic Improves the running properties of lightweight fabrics even in units with rapid liquor circulation</p>
PERSOFTAL® L	<p>Crease-prevention agent and softener</p> <p>Anionic For cellulosics, wool, polyamide, polyester and blends of these fibers For use in pretreatment and dyeing Suitable for application on jet dyeing units Stable at temperatures up to 135 °C High stability to alkalis and electrolytes Low-foaming</p>
TANEDE® PRT	<p>Versatile, multifunctional auxiliary for dyeing polyester and polyester blends</p> <p>Nonionic Prevents running creases on jet equipments Supports the removal of oils and residual sizes during the dyeing process Excellent wetting, rewetting and penetration of the substrate, thus improving levelness Prevents dyestuff precipitation Keeps dyeing units clean Soft smooth handle of the goods Non foaming</p>

Product Name	Brief Description
TANEDE® FSM	<p>Foam-free crease inhibitor for piece dyeing of polyester under HT conditions with excellent dispersing and leveling properties</p> <p>Weakly anionic Specifically for use on jet dyeing units and HT winch becks Low-foaming</p>

Diffusion accelerators

LEVEGAL® DTE 01	<p>Diffusion accelerator for use when dyeing polyester and polyester blends</p> <p>Weakly anionic For dyeing polyester and triacetate with disperse dyes For dyeing PES and triacetate in blends with cellulose or wool with disperse or cationic dyes For dyeing copolymer PES with disperse or cationic dyes For dyeing modacrylic fibers with cationic dyes For stripping and leveling faulty dyeings on PES and triacetate Very high acceleration and good leveling properties Optimum reserving of wool Does not impair lightfastness</p>
TANADEL® ESL	<p>Leveling agent and diffusion accelerator for dyeing polyester fibers Specifically for dyeing polyester/cellulosic blends under HT conditions</p> <p>Anionic Greatly accelerates diffusion of dyes Very good leveling action and reserving of cellulosic fibers Excellent stability to electrolytes; suitable for the "New Select" dyeing process Biodegradable</p>
TANAVOL® ABL	<p>Diffusion accelerator for use when dyeing polyester and polyester blends</p> <p>Weakly anionic Good dye yield Little staining of adjacent fibers in blends with wool and cellulose Low-foaming Can be used to level faulty dyeings Very good biodegradability Good value for money</p>
TANAVOL® AS 01	<p>Accelerator for polyester and polyester blends</p> <p>Anionic Good dye yield Minimizes staining of adjacent fibers Low-foaming</p>

Product Name	Brief Description
TANAVOL® PEW	<p>Diffusion accelerator for use when dyeing polyester and polyester blends</p> <p>Weakly anionic Free of chlorinated aromatics Low odour For dyeing PES and triacetate with disperse dyes For dyeing PES and triacetate fibers in blends with cellulose or wool For dyeing copolymer PES with disperse and cationic dyes For dyeing modacrylic fibers with cationic dyes For brightening and leveling faulty dyeings on PES and triacetate Very high acceleration and good leveling properties Optimum reserving of wool Effective above 98 °C Does not impair lightfastness Low-foaming</p>

Leveling agents

LEVEGAL® FFL	<p>Leveling agent for HT dyeing of polyester</p> <p>Weakly anionic Free of chlorinated aromatics Low odour</p>
LEVEGAL® HTE	<p>Leveling agent for dyeing polyester</p> <p>Weakly anionic For HT dyeing of PES with disperse dyes For HT dyeing of the PES component of PES/CEL blends Improves faulty dyeings Very high leveling effect Improves penetration dyeing of wound packages Particularly recommended for use with LEVEGAL® DLP</p>
LEVEGAL® LD-3	<p>Leveling agent for disperse dyeing of polyester</p> <p>Weakly anionic Gives level dyeings with excellent trichromatic build-up of disperse dyes Low-foaming</p>
LEVEGAL® UNI	<p>Excellent leveling agent for HT dyeing of polyester and polyester blends</p> <p>Nonionic Suitable for exhaust dyeing on jets, beams and yarn dyeing units Reduces the strike rate of the dyes Very good dispersing action Suitable for automotive applications Low-foaming</p>
TANEDE® AXL	<p>Excellent leveling properties, especially when using high molecular-weight disperse dyes</p> <p>Anionic Improves diffusion of dyes in the fiber Suitable for yarn and piece dyeing Suitable for automotive applications Low-foaming, low odour</p>

Product Name	Brief Description
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Anti-reducing agent

TANEDE® ARD	<p>Protective agent against reduction phenomena during the dyeing of textiles with reduction-sensitive dyes in order to improve their reproducibility</p> <p>Prevents unwanted reduction phenomena during the dyeing process Suitable for dyeing of polyester, acetate and triacetate with reduction-sensitive and dischargeable dyestuffs Suitable for the dyeing of polyester and polyester/cellulose materials with alkaline clearable dyes Non foaming Easy to handle liquid product</p>
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Reducing agents

TANEDE® LR	<p>Liquid reducing agent for alkaline reductive afterclearing of dyeings and prints on polyester</p> <p>A high and stable reduction potential is produced under several conditions and at temperatures up to 90°C High reducing power for reductive post-treatment of dyes and prints on polyester fibres Suitable for cleansing contaminated equipment No oxidative decomposition during storage High stability in alkaline media Liquid Extremely suitable for automatic dosing systems Virtually odour free, when used under controlled conditions Environmentally friendly Contains no ethoxylated, sulphated or sulphonated surfactants Can be used as reducing agent during bleaching of PAC/Co, wool and polyamide or polyamide/elastane</p>
TANEDE® RC	<p>High-performance, biodegradable reducing agent for alkaline reductive clearing of dyeings and prints on polyester, stripping of faulty dyeings and to clean machinery</p> <p>Not hygroscopic High reducing power in alkaline reduction clearing Suitable for stripping faulty dyeings on polyester and cellulose Suitable for cleaning soiled units No oxidative decomposition during storage; no self-ignition Virtually odourless Pourable powder</p>

Product Name	Brief Description
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UV-absorber

TANUVAL® UVL	<p>Special UV-absorber to improve the light fastness of dyeings on polyester fibres with dispersing properties for disperse dyes</p> <p>Anionic Improves the light fastness of dyeings with disperse dyes Temperature and storage stable product as it is a clear solution and not a dispersion High affinity for polyester No change of shades Very good bath stability of the product Very good dispersing properties for disperse dyes</p>
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Oligomer dispersing agents and oligomer binders

LEVEGAL® PE special	<p>Special oligomer binder with affinity for the fiber for polyester yarn</p> <p>Nonionic For use as an oligomer binder to prevent or reduce the release of polyester oligomers from threads Improves processing properties Less dusting of yarns Reduces drying times</p>
TANASPERSE® OLG	<p>Dispersing agent to prevent deposits of oligomers</p> <p>Anionic Reduces deposits of trimers and precipitation of dyes; keeps machinery clean Ensures clean rewinding of yarns Improves combing of substrates dyed in the liquor Does not impair dye yield or fastness properties</p>

Product Name	Brief Description
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Cleaning agents for machinery

MERSE® FMC	<p>Auxiliary to clean partial overflow units</p> <p>Anionic Good removal of oils Easy to remove by rinsing</p>
MERSE® RTD	<p>Highly effective cleaning agent for heavily soiled dyeing units</p> <p>Cationic Very good removal of dyes and other impurities Emulsifies greasy and oily deposits Removes trimer deposits Catalyst for alkalizing polyester fibers Allows uniform saponification</p>
MERSE® RTU	<p>Highly effective cleaning agent for heavily soiled dyeing units</p> <p>Cationic Very good removal of dyes and other impurities Emulsifies greasy and oily deposits Removes trimer deposits Catalyst for alkalizing polyester fibers Allows uniform saponification</p>

Dispersing agent and fastness improver

TANATERGE® DRC	<p>Universal low foaming dispersing agent and fastness improver for the continuous and discontinuous aftertreatment of dyed materials</p> <p>Nonionic Very dispersing action Suitable for aftertreatment of synthetics (except PAC), cellulose and blends of these fibers Prevents deposits of unfixed dyes on print grounds Ensures clear shades with good fastness to light, washing and rubbing</p>
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Product Name	Brief Description
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Auxiliaries for dyeing acrylics and acrylic blends

Dispersing agents

AVOLAN® IW	Dispersing agents for use in the dyeing of acrylics and blends of acrylics with wool and cellulose
AVOLAN® IW liquid	Nonionic Dyeing of PA differential-dyeing carpet materials with cationic dyes in conjunction with AVOLAN® UL 75 Very good dispersing properties Prevents accumulation and smearing of dyes on sides of dyeing units
TANEDE® CL	Dispersing agent for dyeing with cationic dyes and simultaneous application of anionic dyes Nonionic Good leveling of 1:2 metal-complex dyes on wool

Migration auxiliaries for cationic dyes

ASTRAGAL® ME	Migration auxiliary for dyeing acrylics with cationic dyes Cationic No blocking of the fiber Low-foaming
MIGRASSIT® ACD	Migration auxiliary for dyeing acrylics with cationic dyes Cationic Leveling agent with good migrating properties that does not block fibers Can also be used to level and brighten faulty dyeings
MIGRASSIT® conc.	See MIGRASSIT® ACD
MIGRASSIT® LC	Migrating and leveling agents for use when dyeing acrylics with cationic dyes
MIGRASSIT® 60	Different concentrations

Product Name	Brief Description
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Retarders for cationic dyes

ASTRAGAL® PAN	Retarder for use when dyeing acrylics with cationic dyes Cationic Good retarding action at start of dyeing Permanent effect
TANEDE® ACR	Retarder for use when dyeing acrylics with cationic dyes Cationic Good retarding action at start of dyeing Permanent effect
TANAPAL® P	Versatile retarder for use when dyeing acrylics with cationic dyes Cationic For use with dry-spun acrylic fibers on all standard dyeing equipment Good reproducibility Yields level dyeings under the most difficult dyeing conditions

Dyeing accelerators

TANASSIST® ACE conc.	Dyeing auxiliary for acrylics and acrylic/cellulosic blends Weakly anionic Dyeing auxiliary for dyeing acrylics with cationic dyes Speeds up dyeing significantly Excellent reserving of adjacent fibers Improves liquor stability
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Dissolving agents

LEVALIN® CPS	Padding auxiliary for pad-steam dyeing of acrylic pile fabrics with a cellulosic backing Weakly anionic Improves pad-liquor stability Prevents frosting
TANASPERSE® APS	Dyeing auxiliary for acrylics Nonionic For continuous dyeing of acrylics with cationic dyes in the pad-steam process To dissolve large amounts of cationic power dyes Solubilizer for cationic dyes Improves pad-liquor stability

Product Name	Brief Description
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Crease inhibitor**PERSOFTAL® LU**

Crease-prevention agent for cellulosics, wool, acrylics, polyamide and blends of these fibers

Nonionic
Low-foaming
High stability to alkalis and electrolytes
Suitable for application on jet dyeing units
Can be diluted cold

Stripping agent**AVOLAN® IS**

For stripping basic dyes and intermediate clearing of acrylic blends

AVOLAN® IS liquid

Anionic
Partial stripping of basic dyes
Leveling of faulty dyeings

Product Name**Brief Description****Auxiliaries for dyeing miscellaneous fibres****Carrier for dyeing Nomex****LEVEGAL® C 45**

Special carrier intended for the dyeing of cationic dyeable aramid fibre (i.e. Nomex®).

Nonionic

Special mild odour carrier

Replacement for benzylalcohol or acetophenone in dyeing Nomex

Gives high colour yield with (selected) cationic dyes

Dyeing at normal equipment like HT-jig, beam, HT-jet and HT yarn dyeing machine

Product Name	Brief Description
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Auxiliaries for dyeing, non fibre related

Antifoams and deaerating auxiliaries

NOFOME AF	<p>Silicone-based deaerating agent with good antifoaming properties for use in all wet finishing processes</p> <p>Nonionic For pretreatment, desizing, bleaching, dyeing, printing and finishing Suitable for all full and partial overflow units Effective at pH 2-12</p>
NOFOME BLF 01	<p>Deaerating agent for wet finishing of all types of textiles</p> <p>Nonionic High wetting capacity Particularly effective for dry-on-wet impregnation of cotton and wool and all types of fibers on package dyeing units and beams Stable to alkali up to 40 g/l caustic soda</p>
NOFOME C	<p>Modified silicone antifoam and deaerating agent</p> <p>Nonionic Very effective in rotary and flatbed screen printing Improves the levelness of large area prints Reduces adhesion of print pastes to screens Good color yield in textile printing Suitable for carpet printing processes</p>
NOFOME DP	<p>All-round, high-performance silicone antifoam</p> <p>Nonionic Deaerating properties For sizing, scouring, bleaching and dyeing</p>
NOFOME HS	<p>All-round silicone antifoam for dyeing</p> <p>Nonionic For use on all common units Suitable for all processes For use in e.g. sizing, scouring, bleaching, dyeing and soaping</p>
NOFOME HT	<p>Silicone-based, all-round antifoam with resistance to shear forces for use in wet finishing, especially on jet dyeing units and jet washing units</p> <p>Nonionic Effective at pH 4-12 Good antifoam action at 20-130°C No foaming after overprinting liquor has been drained No spotting For use on all common dyeing and washing units Suitable for natural and manmade fibers</p>
NOFOME M	<p>All-round silicone antifoam for dyeing</p> <p>Nonionic Stable at all temperatures For use on all common units Prevents foaming caused by dyes and auxiliaries All-round application</p>

Product Name	Brief Description
NOFOME NS	Silicone-free antifoam Nonionic For use in print pastes, on jet dyeing units and in finishing liquors
NOFOME P	Silicone-free antifoam Nonionic For use in print pastes
NOFOME SE	Silicone-based all-round antifoam with resistance to shear forces for use in all wet finishing processes, especially on jet dyeing and jet washing units Nonionic Self-emulsifying Effective at pH 4-12 Very good antifoam action at 20-130°C High resistance to shear forces No spotting For use on all common dyeing and washing units and in all textile finishing processes
NOFOME 1125	Silicone antifoam with resistance to shear forces for textile finishing, especially for pigment printing and spray printing Nonionic Effective at pH 2-12 Very good antifoaming action in the formulation of print pastes with pigments, acid dyes and metal-complex dyes Anti-foaming action during steaming improves the levelness and reproducibility of spray prints
RESPUMIT® BA 2000	Silicone-free, biodegradable antifoam and deaerating agent based on natural oil Nonionic For pretreatment, dyeing, printing and finishing Suitable for application on the jet Effective at pH 2-14 Can also be applied in the HT range Good deaerating effect Improves running properties
RESPUMIT® BU	Biodegradable antifoam and deaerating agent based on natural oil with added silicone Nonionic For pretreatment, dyeing, printing and finishing Suitable for application on the jet Effective at pH 2-14 Can also be applied in the HT range Good deaerating effect Improves running properties Very good antifoaming properties

Product Name	Brief Description
RESPUMIT® NF 01	<p>Silicone-free antifoam and deaerating agent</p> <p>Nonionic For pretreatment, dyeing, printing and finishing Suitable for application on the jet Effective at pH 2-14 Can also be applied in the HT range Good deaerating effect Improves running properties</p>
RESPUMIT® S	<p>Silicone-based antifoam</p> <p>Nonionic For use in pretreatment, dyeing, printing and finishing Economical as low concentrations are required Effective at pH 2-14</p>
RESPUMIT® 40042	<p>Silicone-based concentrated antifoam with 55% active ingredient content</p> <p>Nonionic For the production of dilutions with e.g. 5 - 10% active ingredient concentration Applications: pretreatment, dyeing, printing, finishing Effective at pH 2 - 14</p>

Product Name	Brief Description
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Softeners

CELLOLUBE® AST	<p>Concentrated softener for cotton, acrylics and blends of these fibers</p> <p>Cationic For soft, high-bulk articles Does not cause yellowing Stable to chlorite bleaching Good resistance to washing</p>
CELLOLUBE® AT	<p>Softening agent for acrylics (tow, tops, yarn and piece goods)</p> <p>Cationic Softener with antistatic effect Soft, woolly hand Economical application in the dyebath</p>
CELLOLUBE® BS	<p>Biodegradable softener for cellulosics, synthetics and blends of these fibers</p> <p>Cationic For exhaust and pad application Suitable for application on WEKO units Antistatic properties Soft high-bulk hand</p>
CELLOLUBE® CM	<p>Low-foaming softener for cellulosics, synthetics and blends of these fibers</p> <p>Weakly cationic For exhaust and pad application Suitable for jet and overflow units Soft, high-bulk hand Does not causing yellowing Suitable for whitened goods</p>
CELLOLUBE® LCE	<p>Economical softener for cellulosics, synthetics and their blends</p> <p>Cationic For exhaust and pad application Soft, full hand Does not cause yellowing in normal drying conditions Stable in chlorite bleach Antistatic Good resistance to washing</p>
CELLOLUBE® THS	<p>Hydrophilic softener for cotton</p> <p>Weakly cationic Soft, high-bulk hand Particularly suitable for cotton towels Suitable for all cotton articles and all processing stages Suitable for exhaust and pad application Does not cause yellowing in normal drying conditions Does not impair FWAs Low-foaming</p>

Product Name	Brief Description
PERSOFTAL® AFS	<p>Softener for acrylics</p> <p>Cationic One-bath bleaching, dyeing and finishing of acrylics Lubrication of acrylic staple fibers in combination with STATEXAN® HA Does not retard the uptake of cationic dyes Washfast Smooth, soapy hand</p>
PERSOFTAL® BK conc.	<p>Readily biodegradable softener for cellulose and cellulosic/synthetic blends</p> <p>Cationic Soft, high-bulk hand Suitable for application on jet dyeing units Low-foaming</p>
PERSOFTAL® FA 01	<p>Softener</p> <p>Anionic For pad application to cellulose For exhaust application to polyamide, wool and silk Suitable for application on jet dyeing units Reduces wet rigidity of viscose fibers in the dyebath No tendency to reduce whiteness or to yellow during storage High stability to alkalis and electrolytes Low-foaming</p>
PERSOFTAL® FN liquid	<p>Softener for cellulose</p> <p>Nonionic For cellulose and cellulosic blends For one-bath application in the dyebath with direct and reactive dyes Reduces running creases Low-foaming</p>
PERSOFTAL® HydroSoft	<p>Sophisticated hydrophilic softener for cotton with no adverse effect on the original absorbency of the fabric</p> <p>Cationic Is particularly designed for cotton towelling Hydrophilic Enhances rich full handle Is suitable for all cotton goods Is suitable for exhaust and pad application Does not cause yellowing under normal drying conditions Has no negative effect on colour fastness Can be used in automatic kitchens Low foaming</p>
PERSOFTAL® N conc.	<p>100% softener for the production of ready-to-use 20% solutions using the cold dissolving process</p> <p>Nonionic For pad application to woven and knitted fabrics made of cellulose and cellulosic/synthetic blends Additive for resin finishing High-bulk hand</p>

Product Name	Brief Description
PERSOFTAL® WKF liquid	<p>Softener with antistatic properties for acrylics</p> <p>Cationic</p> <p>For the finishing all fibers and fiber blends as yarn, knitted fabrics and wovens</p> <p>For one-bath dyeing of acrylics</p> <p>Can be used to lubricate acrylic fibers (tops, tow, loose stock) in combination with STATEXAN® HA</p> <p>No tendency to impair whiteness</p>
PERSOFTAL® UKS	<p>Cationic softening agent in pastils form</p> <p>Cationic</p> <p>Excellent solubility</p> <p>Pastils – easy handling</p> <p>No retarding effect on cationic dyestuffs</p> <p>Soft, smooth handle</p> <p>Suitable for application on jet dyeing machines</p> <p>Low yellowing of white goods</p> <p>Applicable in the aftertreatment of yarns and piece goods made of synthetics, cellulosic fibers, their blends with each other and with wool</p> <p>Can be used in the dyeing and finishing of acrylic fibers</p>

Softeners to improve sewability

CELLOLUBE® CRS	<p>Softener for cellulosics and cellulosic/synthetic blends</p> <p>Cationic</p> <p>For exhaust and pad application</p> <p>Suitable for jet and overflow units</p> <p>Soft, high-bulk hand</p> <p>Good sewability</p> <p>Good raising properties</p> <p>Does not cause yellowing in normal drying conditions</p>
CELLOLUBE® FLEX	<p>Microemulsion of a modified silicone softener for all types of textiles</p> <p>Weakly cationic</p> <p>Suitable for pad application</p> <p>Gives fabrics a very soft, flowing hand</p> <p>Very suitable for finishing articles made from OE yarns</p> <p>Additive for resin finishing</p> <p>Very good sewability</p> <p>Good dimensional stability</p> <p>Good resistance to washing and dry cleaning</p> <p>Goods do not yellow during drying/curing</p> <p>Low-foaming</p>

Product Name	Brief Description
CELLOLUBE® MRS	<p>Softener for cellulosics, wool and blends of these fibers with synthetics</p> <p>Weakly cationic For exhaust and pad application Soft, flowing hand Good sewability, good raising properties Good rewinding of packages Does not cause yellowing in normal drying conditions Suitable for fluorescent whitened fabrics Low-foaming</p>
CELLOLUBE® OE	<p>Softener for cellulosics and cellulosic/synthetic blends</p> <p>Cationic Suitable for exhaust and pad application Especially suitable for articles made of OE yarns Very soft, high-bulk hand Ensures good sewability and improves raising and emerizing properties Very good stability to shear forces Does not cause yellowing during drying</p>
CELLOLUBE® SUPRA	<p>Softener based on a modified silicone for all types of fiber</p> <p>Cationic Suitable for exhaust and pad application Very soft, flowing hand Hydrophilic finishes Very good stability to shear forces on jets and padders Excellent sewability and raising properties Does not cause yellowing during drying and curing Suitable for whitened fabrics Does not foam</p>
PERSOFTAL® ASN 01	<p>Softener for woven and knitted fabrics made of cellulosics, synthetics, wool, silk and their blends</p> <p>Nonionic Improves sewability For pad application only Preferably for use with BAYPRET® USV Finishing of elastan fibers Extremely smooth silicone hand Does not impair whiteness Improves abrasion resistance, tenacity and tear strength in resin finishing Increases the elasticity of knitted goods</p>

Product Name	Brief Description
PERSOFTAL® NOBLE	<p>Permanent, hydrophilic, silicone-based softening agent for the exhaust- and pad-process</p> <p>Cationic Excellent softening effect on woven and knitted goods made of cellulose, synthetics, wool, silk and blends of these fibers Very good hydrophilicity High wash-resistant Suitable for jet dyeing machines Suitable for molding articles High-bulk hand, increases the elasticity of woven and knitted fabrics No influence in absorbency on terry towels Very suitable for the finishing of fabric blends containing elastan fibres Applicable also in resin finishing baths Improves sewability</p>
PERSOFTAL® OE	<p>Excellent softener to improve sewability</p> <p>Cationic For cellulose and blends of cellulose with synthetics/wool Improves sewability, especially of OE yarns Improves the elasticity of knitted goods Extremely smooth, supple hand Suitable for application on jet dyeing units Low-foaming</p>
PERSOFTAL® P	<p>All-round softener for woven and knitted fabrics</p> <p>Cationic Specifically for pad application Good sewability Good antistatic properties</p>
PERSOFTAL® PEK	<p>Softening and smoothing agent for all types of fiber</p> <p>Cationic Suitable for combination with BAYGARD® fluorocarbons Finishes have high heat stability Very soft hand Suitable for application on jet dyeing units Improves sewability Improves the elasticity of knitted goods Finishes are resistant to washing and dry cleaning Low-foaming</p>
PERSOFTAL® PEN	<p>Softening and smoothing agent for all types of fiber</p> <p>Nonionic For pad application only Finishes have high heat stability Very smooth hand Improves the sewability and elasticity of knitted goods Finishes are resistant to washing and dry cleaning Improves the mechanical resistance of resin-finished goods Low-foaming</p>

Product Name	Brief Description
PERSOFTAL® PLUS	<p>Microemulsion of a modified silicone softener for all types of textiles</p> <p>Weakly cationic Suitable for pad application Gives articles a very soft, flowing hand Additive for resin finishing Very good sewability Good dimensional stability Treated goods do not yellow during drying/curing Low-foaming</p>
PERSOFTAL® SGR	<p>Silicone softener, especially suitable for repellent finishes</p> <p>Nonionic Silicone softener for functional finishes Very appealing soft hand Stable emulsion Compatible with most textile finishing chemicals Will not interfere with the repellent properties of fluorocarbon finishes</p>
PERSOFTAL® SI-N	<p>Special softener for resin finishing of cellulosics and cellulosic/synthetic blends and for synthetics</p> <p>Nonionic Suitable for pad application Soft, full hand Excellent sewability Improves tear strength and resistance to wear Improves the crease recovery angle Suitable for sanforizing, very good residual shrinkage values Whitened fabrics do not yellow Does not impair the colorfastness of dyed fabrics Washfast</p>
PERSOFTAL® SWA 01	<p>Softener for pad application to cellulosics, synthetics and their blends</p> <p>Anionic For pad application only For use in resin finishing Improves abrasion resistance, tenacity and tear strength in resin finishing Improves sewability Smooth hand Hydrophilic</p>
PERSOFTAL® UM 01	<p>Softener for dyed and fluorescent whitened yarns and piece goods made of cellulosics and blends of cellulosics with synthetics/wool</p> <p>Weakly cationic For exhaust and pad application Particularly suitable for application on jet dyeing units Suitable for molding Can be combined with FWAs Good sewability Low-foaming Does not impair pigment printing</p>

Product Name	Brief Description
PERSOFTAL® ULTRA	<p>Modified silicone emulsion for all types of textiles</p> <p>Weakly cationic Suitable for pad application Very soft, flowing hand High quality can be obtained on OE articles Improves dimensional stability Very good sewability Excellent raising properties Good resistance to washing Does not cause yellowing in normal drying and curing conditions</p>
PERSOFTAL® VNK	<p>Softener for cellulose and cellulose/synthetic blends</p> <p>Cationic For exhaust and pad application Suitable for application on jet dyeing units Full, smooth hand Good sewability Low-foaming</p>
REACTOSIL® RWS	<p>Special silicone softener for use in soil-release finishes</p> <p>Nonionic Hydrophilic functionally Very appealing hand Stable emulsion Has very limited effect on soil release properties of soil release FC-finishes Compatible with most textile finishing chemicals</p>
TANASOFT PTK	<p>Polyethylene-based softener to improve the abrasion fastness and sewability of resin finished goods</p> <p>Nonionic Suitable for pad and spray application Suitable for pre-cure and post-cure processes Suitable for fully fashioned articles No chlorine retention Does not cause yellowing Excellent combinability with all textile finishes</p>

Anticrease agents

PERSOFTAL® L	<p>Excellent crease inhibitor</p> <p>Anionic For cellulose, wool, polyamide, polyester and blends of these fibers For use in pretreatment and dyeing Suitable for application on jet dyeing units Stable at temperatures up to 135 °C High stability to alkalis and electrolytes Easy to wash off Low-foaming</p>
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Product Name	Brief Description
PERSOFTAL® LU	<p>Highly concentrated crease-prevention agent</p> <p>Nonionic For cellulose, wool, acrylics, polyamide and blends of these fibers For use in pretreatment and dyeing High stability to alkalis and electrolytes Suitable for application on jet dyeing units Can be diluted cold; forms stable stock solutions Stable at temperatures up to 135 °C Low foaming</p>
TANALUBE® FF	<p>All-round anti-crease agent and lubricant for all fibers and fiber blends</p> <p>Weakly anionic Suitable for jets Stable at high temperatures Does not foam</p>
TANALUBE® RF	<p>Anti-crease agent for acetate, triacetate, wool, cellulose and blends of these fibers</p> <p>Anionic Prevents fixation of running creases and cracks in wet processing of woven and knitted fabrics Specifically recommended for sensitive fibers such as acetate, triacetate, cellulose and their blends and for PA/cellulosic and wool articles Allows higher machine loads Good wetting, scouring and emulsifying properties Leveling of anionic and disperse dyes Prevents the formation of channels and bubbles in open-width treatment on beams and jigs Low-foaming</p>

Wet-waxing agents

PERSOFTAL® CNP	<p>Wet-waxing and softening agent for cellulose, wool and synthetics</p> <p>Weakly cationic For the aftertreatment of bleached, fluorescent whitened and dyed yarns made of cellulose, wool, synthetics and their blends Very economical in long liquors Stable in pressure driers Good abrasion resistance No tendency to reduce whiteness Virtually no reduction in hydrophilicity</p>
PERSOFTAL® NPF	<p>Wet-waxing agent and softener for synthetics and synthetic blends; especially suitable for polyester</p> <p>Weakly cationic For the treatment of yarns made of synthetic fibers, wool and blends of these with each other and with cellulosic fibers Low concentrations produce very smooth yarns Very economical in long liquors Good abrasion resistance Antistatic properties Suitable for automotive fabrics</p>

Product Name	Brief Description
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Lubricant for sewing thread

PERSOFTAL® NG	<p>Softener and lubricant for sewing thread</p> <p>Nonionic Not suitable for exhaust application For the treatment of sewing thread made of polyamide, polyester, cotton and their blends For use in resin finishing For use in water-repellent treatment Gives a very smooth hand Heat-resistant Good abrasion resistance Improves resistance to chafing</p>
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Yarn lubricant

FIBERMATE POC	<p>Yarn lubricant for polyester and polyamide yarns which reduces friction and static charges in subsequent processing operations</p> <p>Slightly cationic Very good running properties in the treated yarn during rewinding, weaving and knitting Very uniform distribution over the total packages Enhances anti-static properties on the substrate Very good bath exhaustion Very easily removed in an after-wash (e.g. for articles which have to be bonded or coated) No adverse effects on shades or fastness Very effective against oligomers</p>
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Lubricants

PREPARATION FP 03	<p>Lubricant for staple fibers</p> <p>Anionic Suitable for acrylics Does not impair subsequent dyeing Does not reduce whiteness Good antistatic properties APEO-free</p>
PREPARATION KP 03	<p>Lubricant for treating tow on the converter</p> <p>Anionic Suitable for acrylics Does not impair subsequent dyeing Does not reduce whiteness Good antistatic properties APEO-free</p>

Product Name	Brief Description
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Antistatic agents

STATEXAN® HA	<p>Heat-resistant antistatic agent</p> <p>Anionic For acrylics, polyamide and fluorescent whitened polyester For pad or spray application Very effective at low concentrations High heat resistance Good abrasion resistance</p>
STATEXAN® PES	<p>Antistatic agent for dyed polyester</p> <p>Anionic For pad or spray application Very effective even if the treated goods have no residual moisture content Does not increase thermomigration of disperse dyes</p>
STATEXAN® WP	<p>Permanent antistatic agent for piece goods made of synthetics and synthetic blends</p> <p>Cationic Suitable for pad application Permanent antistatic effect, softness and bulk Can be used to improve the hydrophilicity of polyester Comfortable to wear due to pronounced hydrophilicity Improves the dimensional stability of woven and knitted fabrics Frequently reduces pilling Basically resistant to washing at 40 °C with a mild detergent Stable to mechanical treatment</p>
TANASTAT® P	<p>Extremely effective antistatic for synthetics and blends of synthetics with cellulose and wool</p> <p>Anionic For application on the padder or in the last rinsebath on the backwashing machine (tops) or washing unit (piece goods) Suitable for final finishing and to optimize finishing processes such as spinning, emerizing and raising Thermostability No change of shade on dyed articles Does not impair the fastness properties of dyed goods Does not foam</p>

Product Name	Brief Description
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Hydrophilicity agents

ASTRALPLUSH	<p>Hydrophilic Soil Release Agent for fabrics, knit goods and nonwovens made of polyester, polyamide, polypropylene and other synthetic fibers</p> <p>Nonionic Improves the humidity transport Improved antistatic properties of polyester Permanent hydrophilic finishing effects on 100 % PES, 100 % PA and their blends Smooth, voluminous handle Imparts durable soil release properties to 100 % polyester Improves the appearance of pile-fabrics by reducing finger marks and effects of writing</p>
TANEDE® PRT	<p>Hydrophilic Soil Release Agent for fabrics, knit goods and nonwovens made of polyester, polyamide, polypropylene and other synthetic fibers</p> <p>Nonionic Improves the humidity transport Improved antistatic properties of polyester Good hydrophilic finishing effects on 100 % PES, 100 % PA and their blends Smooth, voluminous handle Imparts soil release properties to 100 % polyester</p>

Polyurethane dispersion

BAYPRET® USV	<p>Formaldehyde-free, self-crosslinking, permanent hydrophilic polymer</p> <p>Amphoteric, weakly anionic in some conditions Additive for low-formaldehyde resin finishing Additive for post-cure resin finishing For use in felt-free finishing of wool in combination with SYNTHAPPRET® BAP 01 Improves abrasion resistance and rubfastness Reduces pilling Bonds fibers in the production of nonwovens</p>
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Felt-free finishing

SYNTHAPPRET® BAP 01	<p>Product for felt-free finishing of wool and wool blends without prechlorination</p> <p>Anionic Improves dimensional stability and abrasion resistance Reduces pilling and snagging Stable to washing and dry cleaning Does not impair colorfastness</p>
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Product Name	Brief Description
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Bodybuilder for PA carpets

SYNTHAPPRET® TV	<p>Finishing agent for pile fabrics</p> <p>Weakly cationic Prevents the formation of running creases in the dyebath Aftertreatment agent Permanent pile formation Does not increase staining Does not impair colorfastness Does not impair subsequent finishing with BAYGARD® SF-A 02</p>
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Anti-slip agents

SYNTHARESIN® A	<p>Anti-slip agent for all types of fiber; for anti-pilling/anti-snag treatment; additive for spin finishes</p> <p>Anionic Can be used in the acid and alkaline range Basically resistant to washing and dry cleaning</p>
SYNTHARESIN® S 50	<p>Anti-slip agent for all types of fiber; for anti-pilling/anti-snag finishing; slightly coarser SiO₂ particles</p> <p>Cationic Basically resistant to washing and dry cleaning</p>
SYNTHARESIN® 40119	<p>Anti-slip agent for all types of fiber; for anti-pilling/anti-snag finishing</p> <p>Cationic Basically resistant to washing and dry cleaning</p>

Flame-proofing agents

FLAMEGARD PENTA	<p>Flame-proofing agent for cellulose, wool and blends of natural and synthetic fibers</p> <p>Resistant to dry cleaning Particularly suitable for automotive textiles Suitable for all articles that do not have to be washfast, especially for the aviation sector, curtains, etc. Suitable for pad and spray application</p>
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Product Name	Brief Description
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Biopolishing enzymes

BAYLASE® CB	<p>Special cellulase enzyme for biopolishing of cellulotics</p> <p>An excellent performing, economical cellulase enzyme designed specifically for biofinishing of cellulotics</p> <p>Superior softening</p> <p>Excellent de-pilling</p> <p>Reduced strength- and weight-loss, compared to "classical acid cellulases"</p> <p>The cellulase action significantly reduces the chances of pilling on wear and washing</p> <p>Less fluff in the filters of the machinery</p> <p>High reproducibility</p>
BAYLASE® CS	<p>Cellulase enzyme for Bio-polishing</p> <p>A new cellulase enzyme designed specifically for bio-finishing of cotton, cotton blends, rayon and rayon blends to produce excellent de-pilling with softening with less physical strength loss</p> <p>Provides the soft and clean hand demanded by today's market, with less physical strength loss</p> <p>Has a very broad temperature range - the product is 100% active from 40–60°C</p> <p>Superior softening</p> <p>Excellent de-pilling</p> <p>Reduced physical strength loss, compared to "classical cellulase"</p> <p>Reduced color loss</p> <p>The softening effect is permanent and will hold through indefinite home launderings, whereas traditional chemical softeners are only durable to 3–5 HL</p> <p>The enzyme action also significantly reduces the chances of pilling on wear and washing</p>

Product Name	Brief Description
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Crosslinkers

AURAREZ® EFC Conc.	<p>Cure-accelerated self-catalyzed resin</p> <p>Fast curing resin for wrinkle free or easy care applications</p> <p>Self-catalyzed</p> <p>Gives cellulose excellent dimensional stability</p> <p>Can be used in water/oil repellent finishes, together with BAYGARD® products</p> <p>Economical</p> <p>Relatively low odour</p> <p>Low free formaldehyde</p>
BAYPRET® R	<p>Reactive crosslinking agent for resin finishing of cellulose and cellulosic blends that are resistant to washing at the boil</p> <p>Nonionic</p> <p>Extremely low formaldehyde concentration (< 0.1% free formaldehyde in product)</p> <p>Chlorine-resistant</p> <p>Good whiteness</p> <p>Good resistance to hydrolysis</p> <p>Very good wet and dry crease recovery angle</p> <p>Easy to crosslink with magnesium chloride-based catalysts</p> <p>Can be used in water and oil-repellent finishing with BAYGARD® and PERLIT® products</p>
CURITE 5184	<p>Catalyst for resin finishing of cellulose and cellulosic/synthetic blends</p> <p>Suitable for easy-care and crease-resist finishes</p> <p>Suitable for fully-fashioned articles</p> <p>Allows rapid crosslinking</p> <p>Suitable for the pre-cure and post-cure processes</p>
PROTOREZ BLF-CE	<p>Low-formaldehyde, buffered crosslinker containing a catalyst for easy-care, crease-resist finishing of cellulose and cellulosic/synthetic blends</p> <p>Suitable for fully fashioned articles</p> <p>Suitable for the pre-cure and post-cure processes</p> <p>Meets most Oeko-Tex 100 requirements</p>
PROTOREZ FFO	<p>Formaldehyde-free crosslinker for easy-care, crease-resist finishing of cellulose and cellulosic/synthetic blends</p> <p>Suitable for fully fashioned articles</p> <p>Suitable for the pre-cure and post-cure processes</p> <p>Meets the Oeko-Tex 100 requirements</p> <p>Odour-free</p> <p>Does not damage fibers as formaldehyde-containing crosslinkers do</p>

Product Name	Brief Description
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Oil and water-repellent agents

BAYGARD® AFF 01	Fluorocarbon-based water and oil-repellent agents
BAYGARD® AFF 300% 01	<p>Nonionic; may undergo a weakly cationic reaction in some circumstances</p> <p>Very good oil repellency and optimum water repellency</p> <p>Good resistance to washing and dry cleaning</p> <p>Can be combined with the extenders BAYGARD® EDW and PERLIT® 40178 to enhance the results and improve resistance to washing and dry cleaning</p> <p>No flash point</p>
BAYGARD® FK	<p>Fluorocarbon-based water and oil-repellent agent</p> <p>Cationic</p> <p>Good water and oil repellency</p> <p>Good resistance to washing and dry cleaning</p> <p>Can be combined with the extender BAYGARD® EDW</p> <p>High flash point > 80 °C</p>
BAYGARD® K	<p>Fluorocarbon resin</p> <p>Cationic</p> <p>Optimum results are achieved simply by drying the finish in air at room temperature</p> <p>Particularly suitable for exhaust application</p> <p>Does not contain organic solvents</p>
BAYGARD® SOC 01	<p>High performance soil release fluorochemical</p> <p>Nonionic</p> <p>Soil release with equal performance to branded products</p> <p>Excellent results on cotton, polyester and their blends</p> <p>Non-flammable</p> <p>Durable to washing</p>
BAYGARD® SPT	<p>Durable "dual action" fluorochemical for combined repellency and soil-release.</p> <p>Nonionic</p> <p>Exhibits "dual action": both water/oil repellency and soil-release</p> <p>Durable to home laundry</p> <p>Applicable to apparel, upholstery, medical fabrics and hosiery</p> <p>Can be used on cellulose, synthetics and blends</p>
BAYGARD® UFC 01	<p>Concentrated water and oil-repellent agent</p> <p>Cationic</p> <p>Imparts durable oil and water repellency</p> <p>Excellent results on polyester with very good results on cotton and nylon</p> <p>Non flammable</p> <p>Maintains soft hand</p>

Product Name	Brief Description
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BAYGARD® UFC 02	<p>High performance water and oil repellent agent</p> <p>Cationic Imparts durable oil and water repellency Excellent results on polyester and blends Very good results on cotton , polyamide and their blends Maintains soft hand Non flammable APEO-free</p>
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Water/oil-repellent and antisoiling agents

BAYGARD® RT	<p>Antisoiling and water/oil-repellent agent based on an organosilicate/fluorocarbon resin</p> <p>Cationic For textile floorcoverings, upholstery fabrics and automotive fabrics Suitable for all types of fiber Suitable for exhaust, pad and foam application Pile stabilization Fully effective after drying at room temperature</p>
BAYGARD® FCA	<p>Antisoiling, water and oil-repellent agent for textile floorcoverings and other pile fabrics</p> <p>Anionic Pronounced oil and water repellency Easy stain removal Good dry soil repellency Improved pile stability Less tendency to pilling Suitable for all types of fibre For foam and pad application</p>
BAYGARD® FCK	<p>Antisoiling, water and oil-repellent agent for textile floorcoverings and other pile fabrics</p> <p>Cationic Pronounced oil and water repellency Easy stain removal Good dry soil repellency Improved pile stability Less tendency to pilling Suitable for all types of fibre For foam and pad application</p>

Product Name	Brief Description
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Antisoiling agent**BAYGARD® AS**

For pile stabilization and dry soil repellency of carpets and other pile fabrics

Cationic
 Suitable for application by spraying, foaming, padding, sloop padding and exhaust processes
 Suitable for all types of fibers and fiber blends
 Does not impair pile stability
 Finish is resistant to dry cleaning

Antishedding agent**SYNTHAPPRET® AST**

Reduces fiber loss in the production of wool and polyamide carpet yarns

Anionic
 Improves abrasion fastness
 Reduces soiling
 Increases tear resistance and elongation of yarns
 Reduces pilling of loop pile

Extenders**BAYGARD® EDW**

Extender for fluorocarbon finishes from the BAYGARD®-range

Anionic
 Optimizes the resistance of water and oil-repellent finishes to washing and dry cleaning

PERLIT® 40178

Water repellent for cellulose, synthetics and their blends

Cationic
 Extender for fluorocarbon products
 Finishes on cellulose have good resistance to washing
 Pleasantly soft, high-bulk hand

Odour inhibitor**TANAFRESH HFO**

Odour inhibitor for (resin) finishing of textiles

Nonionic
 Prevents the formation of formaldehyde and amine odours during finishing and storage of goods finished with synthetic resin
 Deodorizes fabric and gives it a pleasant fresh smell
 Used in normal synthetic-resin baths
 Shade and handle of fabric are not affected

Product Name	Brief Description
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Foaming agents

BAYGARD® Foamer	<p>Foaming agent for foam finishes</p> <p>Amphoteric Low viscosity, easy to dose Does not impair the effect of fluorocarbon products</p>
BAYGARD® Foamer SBL	<p>Foaming agent for foam application of finishing products</p> <p>Anionic Low viscosity, easy to dose Does not impair the effect of fluorocarbon finishess</p>

Stain-release agents

BAYPROTECT® 8280	<p>Special dry-cure auxiliary for polyamid and wool carpets, which gives fabric excellent stainblocker properties. This product should be used in combination with BAYPROTECT® SBR</p> <p>Anionic Excellent stainblocker effects to Kool Aid, coffee, tea, red wine (Dornfelder, Bordeaux), ketchup, mustard, betadine, curry sauce, several soft drinks and other common domestic spots Easy stain removal High light fastness, no yellowing Protection for differential dyed carpets Improves soil release Durability after 22000 revolutions Vettermann drumtest and 5 times spray extraction Dry-cure foam application during finishing or back-coating. No extra runs required Low application cost, no steaming, no washing Improves fluorocarbon effects</p>
BAYPROTECT® CL	<p>Stain-release agent for polyamide 6.6 and polyamide 6</p> <p>Anionic Very good protection against oxidative cleaning agents Improves protection against coffee and tea stains Improves the ozone resistance of dyeings Suitable for differential-dyeing articles Applied by the exhaust and continuous processes (pad-steam) Suitable for application in the dyebath</p>

Product Name	Brief Description
BAYPROTECT® SBR	<p>Special dry-cure auxiliary for polyamid, acrylic, polypropylene and wool carpets, which gives fabric excellent stainblocker properties. This product should be used in combination with BAYPROTECT® 8280</p> <p>Anionic Excellent stainblocker effects to Kool Aid, coffee, tea, red wine (Dornfelder, Bordeaux), ketchup, mustard, betadine, curry sauce, several soft drinks and other common domestic spots Easy stain removal High light fastness, no yellowing Protection for differential dyed carpets Improves soil release Durability after 22000 revolutions Vettermann drumtest and 5 times spray extraction Dry-cure foam application during finishing or back-coating. No extra runs required Low application cost, no steaming, no washing Improves fluorocarbon effects</p>

Water-repellent agents

PERLIT® SI-SW	<p>Silicone-based water repellent for use on all types of textiles in combination with PERLIT® 40159</p> <p>Weakly cationic Optimum water repellency Good storage stability Good liquor stability and running properties Basically resistant to washing and dry cleaning</p>
PERLIT® 40159	<p>Silicone-based water repellent for use on all types of textiles in combination PERLIT® SI-SW</p> <p>Cationic Optimum water repellency Good storage stability Good liquor stability and running properties Basically resistant to washing and dry cleaning</p>
PERLIT® 40178	<p>Water repellent for cellulose, synthetics and their blends</p> <p>Cationic Extender for fluorocarbon products Washfast effects on cellulose Pleasantly soft, high-bulk hand</p>

Product Name	Brief Description
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Moth and beetle-proofing agent

EULAN® SPA 01	<p>Moth and beetle-proofing agent for wool and blends of wool with other fibers, feathers and fine and coarse animal hairs</p> <p>Nonionic Wool finished with EULAN® SPA 01 meets the specifications of the Woolmark Company, GuT and Wools of New Zealand Highly effective against Tineola/Tinea (moths), Anthrenus (carpet beetles), Attagenus (fur beetles) and Hofmannophila Ps. (false clothes moth) Primarily for exhaust processes, with good bath exhaustion Does not have increased affinity for polyamide in wool/polyamide blends Good heat stability Can be eliminated in waste water treatment plants</p>
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NANO finishing

BAYPRET® NANO-PU	<p>A nano-dispersion self-crosslinking polyether polyurethane for high-end finishing applications</p> <p>Amphoteric / anionic Nano-emulsion for optimal distribution over and penetration into the fabric Forms a film around and between fibres Yields unique properties and application possibilities Special finishing Can be used to obtain special handle modifications Anti-pilling treatments Upgrade of resin finish treatments Increased durability of selected softeners and resin finishes Durable hydrophilic finishes on all fibres</p>
BAYPROTECT® NANO-POLLEN	<p>A nano-dispersion special finishing to prevent pollen from binding onto fibres, therefore aiding in a reduction of pollen-health problems like hay fever</p> <p>Cationic A nano-dispersion, which will penetrate deeper into the fabric and adheres to the fibres Prevents pollen from binding to the fibres Reduces pollen-health problems like hay fever Basically resistant to washing, drycleaning and mechanical abrasion Applicable on apparel fabrics, upholstery and carpets</p>
PERSOFTAL® NANO-SIL	<p>Shearstable modified nano-emulsion silicone softener for cellulosic fibers and their blends with man-made fibers</p> <p>Nonionic Safe application under the most difficult circumstances, due to nano-emulsion Soft smooth handle on cotton, cotton-blends and man-made fibres Applicable on Jet, bobbin and padding equipment Good sewability Non yellowing Gives a good handle to classical anti-slip or anti-snap finish, without affecting the performance Anti-soiling on synthetics Excellent raising properties, especially for synthetics, like PES-fleece Good anti-static properties Nano-emulsion for optimal distribution over and penetration into the fabric</p>

Product Name	Brief Description
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Scenting, Aromawellness and Cosmetic products

BAYSCENT® ACEROLA	<p>BAYSCENT® AROMAWELLNESS, a new process for enriching textiles with the properties of ACEROLA</p> <p>Slightly cationic Can be used on fabrics of every kind of fibres Does not impair the handle Suitable in all main finishing processes For padding and exhaustion applications</p>
BAYSCENT® ALOE VERA	<p>BAYSCENT® AROMAWELLNESS, a new process for enriching textiles with the properties of ALOE VERA</p> <p>Slightly cationic Can be used on fabrics of every kind of fibres Does not impair the handle Suitable in all main finishing processes. For padding and exhaustion applications</p>
BAYSCENT® BASE	<p>Auxiliary agent for treatment by exhaustion of the product line BAYSCENT®</p> <p>Cationic Can be used on fabrics of every kind of fibres Does not impair the handle Suitable in all main finishing processes For padding and exhaustion applications</p>
BAYSCENT® BODY LOTION	<p>A new process for scenting textiles</p> <p>Slightly cationic Perfumation of fabrics of every kind of fibres Does not impair the handle Suitable in all main finishing processes</p>
BAYSCENT® FLEUR DE LAVANDE	<p>BAYSCENT® AROMAWELLNESS, a new process for enriching textiles with the properties of FLEUR DE LAVANDE</p> <p>Slightly cationic Can be used on fabrics of every kind of fibres Does not impair the handle Suitable in all main finishing processes For padding and exhaustion applications</p>
BAYSCENT® GINSENG	<p>BAYSCENT® AROMAWELLNESS, a new process for enriching textiles with the properties of GINSENG</p> <p>Slightly cationic Can be used on fabrics of every kind of fibres Does not impair the handle Suitable in all main finishing processes. For padding and exhaustion applications</p>
BAYSCENT® LAVENDER	<p>A new process for scenting textiles</p> <p>Slightly cationic Special perfume creation to mask human odours Perfumation of fabrics of every kind of fibres Does not impair the handle Suitable in all main finishing processes</p>

Product Name	Brief Description
BAYSCENT® NEUTRALIZER	<p>A real new process to neutralize bad odours on textiles</p> <p>Slightly cationic Neutralization of bad odours on fabrics of every kind of fibres Not comparable with current deodourizations Does not impair the handle Suitable in all main finishing processes</p>
BAYSCENT® VANILLA BOUQUET	<p>A new process for scenting textiles</p> <p>Slightly cationic Special perfume creation to mask human odours Perfumation of fabrics of every kind of fibres Does not impair the handle Suitable in all main finishing processes</p>
TASTEX® ALS	<p>Skin-care treatment agent</p> <p>Cationic Bound water in multi-layer micelle Soft handle Good affinity to fibre Good reproducibility</p>
TASTEX® COOL-EX	<p>Skin-care treatment agent, which gives a special cool sensation</p> <p>Cationic Bound water in multi-layer micelle Soft handle Good affinity to fibre Good reproducibility</p>
TASTEX® CRM	<p>Skin-care treatment agent</p> <p>Cationic Bound water in multi-layer micelle Soft handle Good affinity to fibre Good reproducibility</p>
TASTEX® HOT2	<p>Warm feeling treatment agent</p> <p>Cationic Bound water in multi-layer micelle Good affinity to fibre Good reproducibility</p>
TASTEX® SKU-C 01	<p>Skin-care treatment agent</p> <p>Cationic Bound water in multi-layer micelle Soft handle Good affinity to fibre Good reproducibility</p>

Product Name**Brief Description****Garments Blue J®****Desizing agents****BLUE J® DESIZE TOP**

Specially selected enzyme compound for rapid and effective desizing

Nonionic

Can be used for highly efficient desizing of rinse-goods and for preparation of stonewash goods

Based on the newest α -amylase technology

Good activity over a wide range of pH's, from pH 4 - 8,5

Very rapid removal of starch-based sizes

Strong wetting action and high dispersing properties for indigo, resulting in clean garments and pockets

Lubricant**BLUE J® LUBE**

Selected lubricant and anti-crease agent for use in desizing baths and other denim pretreatment processes

Nonionic

Is a concentrated fabric lubricant imparting high fibre to fibre lubricancy

Helps to minimise fold, creases and crack marks and assists in providing an even, uniform finish

Imparts an added degree of softness

Is low foaming

Gives very good results on Lyocel

Scouring and wetting agent**BLUE J® SCOUR LF**

Scouring agent for Garments with multifunctional properties
Prevents re-adsorption of unfixed indigo

Nonionic

A versatile product developed for effective use in all aspects of garment finishing

Provides excellent suspension and clean up stages

Provides superior scouring in the removal of indigo redeposition, whiter pockets and improved salt-pepper contrast

When used in the clean-up stage, the product contributes to a soft hand improves pressability and eliminates static electricity

Low foaming

Product Name	Brief Description
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Dispersing agents

BLUE J® DISPERSANT ED	<p>Dispersing agent for garment processing of denim.</p> <p>Nonionic Is a blend of dispersing and suspending agents that prevents redeposition of soil and indigo so that blue pocketing and backstaining is minimised. Can be used in desize, abrasion, clean up and bleach steps of a garment wash process at required treatment conditions. Gives particularly good results in combination with acid and neutral cellulases. Keeps machines clean from indigo redeposition. Has low foaming characteristics APEO free</p>
BLUE J® DISPERSANT conc	<p>Concentrated, economical, nonionic dispersing agent to prevent re-adsorption of unfixed dye</p> <p>Nonionic Is a high performance concentrated blend of dye suspending and soil suspending agents and dispersants Is designed to minimize back-staining and blue pocketing It aids in the bleaching stage in the removal of degrading indigo dye and permits the sodium hypochlorite to penetrate more uniformly Keeps the machines clean from dyestuffs</p>

Cellulase products

BLUE J® EP 5464	<p>Pre-buffered and fully formulated neutral enzyme powder for stone washing of denim garments</p> <p>Nonionic Is a neutral enzyme formulation that gives a high contrast "stone wash" look on denim garments Is a pre-buffered powder and buffers wash liquor between pH 6 and 7 Gives least backstaining and maximum abrasion at pH 6.5 to 7, the optimum working pH range Is most effective between 55°C to 60°C Results in low backstaining Works synergistically with stones to obtain a strong "stone wash" effect Gives good garment physicals Has an excellent transport- and storage stability, so no separation and moisture agglomerations in open drums</p>
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Product Name	Brief Description
BLUE J® EP 5465	<p>Pre-buffered and fully formulated neutral enzyme powder, especially for low temperature stone washing of denim garments</p> <p>Nonionic Is an especially developed neutral enzyme formulation for "low temperature" stonewashing Is a pre-buffered powder and buffers wash liquor between pH 6 and 7 Gives least backstaining and maximum abrasion at pH 6.5 to 7, the optimum working pH range Is most effective between 35°C to 40°C Results in low backstaining and high contrast Works synergistically with stones to obtain a strong "stone wash" effect Gives good garment physicals Has an excellent transport- and storage stability, so no separation and moisture agglomerations in open drums</p>
BLUE J® QUANTUM BPE	<p>Cellulase enzyme for Bio-polishing</p> <p>Is a new cellulase enzyme designed specifically for bio-finishing of cotton, cotton blends, rayon and rayon blends to produce excellent de-pilling with softening with less physical strength loss Provides the soft and clean handle demanded by today's market, with less physical strength loss Superior softening and excellent de-pilling properties Reduced colour loss Reduced physical strength loss, compared to "classical cellulase" Has a very broad temperature range—the product is 100% active from 40–60°C The softening effect is permanent and will hold through indefinite home launderings, whereas traditional chemical softeners are only durable to 3–5 HL The enzyme action also significantly reduces the chances of pilling on wear and washing</p>
BLUE J® SPECTRUM CDN	<p>Concentrated liquid enzyme; special formulation to ensure rapid and economical stonewashing Can also be used for bio-finishing effects on cotton garments</p> <p>Highly active enzymes, giving enhanced abrasion when compared to standard "acid" or "neutral" enzymes Flexible, can be used at a pH range of 4,5 to 6,5 to achieve different looks and abrasion levels. Can be used with and without abrasives Economical, cost effective Less backstaining, cleaner garments. Better than "neutral" or "acid" over entire pH range Improved garments physicals, equal or better than "neutral" Energy savings, enzymes are used at 41 – 46°C resulting in reduced steam and hot water usage Gives good results on Tencel Reduced machine time, cycle time savings of over 33% when compared to "neutral" cellulase</p>

Product Name	Brief Description
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BLUE J® SYNERGASE 1559

Liquid formulation of an acid enzyme for bio-finishing of cotton and Lyocel garments

Is a Cellulase product, effective over a very broad pH range
 Can be used between pH 4,5 and 6,5
 Suitable for injection systems
 Gives very good results on Lyocel
 Used on cotton fabrics, or blends containing a high percentages of cotton, to remove surface fibrils
 Treated fabrics exhibit richer colour and improved softness. The finish is durable to laundering and effectively minimises pill formation

Buffer**BLUE J® ASSIST**

Buffer to control pH and improve stability at pH 5-5,5

Is a high performance buffer system designed to work with stonewashing compounds
 Gives the cellulase enzymes used in stonewashing the optimal pH for its effectiveness
 Can also be used as buffer to correct pH values during enzymatic desize applications

Softener**BLUE J® SATIN**

Economical liquid silicone softener

Nonionic
 Gives articles a very soft handle with good draping properties
 Improves dimensional stability of articles
 Low foaming

Ozone-resistant softener**BLUE J® CONDITIONER NP**

Specially developed softener for cotton denim
 Prevents yellowing as a result of exposure to ozone

Cationic
 Is a cationic fabric conditioner that gives denim fabric a very soft handle
 Is especially designed for ozone protection of indigo dyed garments
 As well as giving softness, the product helps to retain the body of the fabric
 Its low viscosity allows easy handling
 Has no interference with optical brighteners at pH 5,5 – 6
 No yellowing after drying

Product Name	Brief Description
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Garment specialties

BLANKOPHOR® CO liquid	<p>Liquid FWA with a neutral to blue cast</p> <p>Anionic Particularly suitable for exhaust application due to its high affinity Excellent wetfastness properties</p>
BLUE J® CONTROLLER	<p>Multi purpose product for use on garments</p> <p>Nonionic Is a concentrated alkali, built with polymeric dispersing agents It provides a balanced pH to the denim, and controls the activity of sodium hypochlorite during the bleaching process Can also be used in conjunction with BLUE J® SCOUR LF to improve detergency in wash formulas Its benefits include maintaining an effective pH range during stripping, scouring and bleaching, as well as being able to prevent the redeposition of removed size or deteriorated dye particles</p>
BLUE J® OCEAN MAGIC R	<p>Specially formulated potassium permanganate-based product for special bleaching effects on garments</p> <p>Used for finishes in denim such as French Frost, Ice wash, White wash, Snow wash and Acid wash Also used to achieve "worn" appearances on light weight garments Can be used at different dosages and applications to obtain various finishes</p>
BLUE J® REDUCER	<p>Odourless, liquid product to deactivate hypochlorite after bleaching denim garments</p> <p>Is a reducing agent used to terminate the activity of sodium hypochlorite in denim processing Is designed to halt the process once that desired degree of colour removal has been achieved Is normally used in the second rinse after the bleaching step Has no odour, which is a major advantage over standard antichlors</p>
BLUE J® 907	<p>Liquid Neutraliser for use after bleaching of Garments</p> <p>Is a highly concentrated liquid reducing agent Has been designed for the rapid removal of Potassium Permanganate residues from processed garments</p>

Product Name	Brief Description
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Polyurethane binders

EDOLAN® LS	<p>Soft aqueous polyurethane dispersion for finishing and coating of textiles and non-wovens</p> <p>Slightly anionic Very soft Suitable for mechanical foaming High lightfastness Suitable in finishing and coating Handle modifier Fixation at lower temperatures possible (from 110°C) Crosslink able with melamine- or isocyanate crosslinkers for further improved performance</p>
EDOLAN® SN	<p>Aqueous polyurethane dispersion for impregnation and coating of textiles and non-wovens</p> <p>Anionic Aliphatic polyether based PU Excellent hydrolysis- and washresistance Very soft, non tacky polyurethane with little to no influence on the handle of the fabric Has affinity to many different substrates Important base polymer for compounds for both technical and apparel markets Can also be used as a thermal reactive coating for lamination</p>
EDOLAN® SE	<p>Aqueous polyurethane dispersion for coating of textiles and non-wovens</p> <p>Anionic Gives a very soft handle with a dry, non-sticky touch Excellent hydrolysis resistant High adhesion to synthetic fibres Washing and dry cleaning resistant Crosslinkable with melamine- or isocyanate crosslinkers for further improved performance Generally compatible with all other products of the EDOLAN® range Formaldehyde-free</p>
EDOLAN® GS	<p>Aqueous polyurethane dispersion for coating of textiles and non-wovens</p> <p>Anionic Soft handle High solids High elasticity Very good hydrolysis resistance Suitable for mechanical foaming High lightfastness Good adhesion to PA and PES based substrates</p>

Product Name	Brief Description
EDOLAN® UC	<p>Aqueous polyurethane dispersion for coating of textiles and non-wovens</p> <p>Anionic High elasticity Gives a soft rubbery handle Suitable for mechanical foaming High lightfastness Fixation at lower temperatures possible (from 110°C) Crosslink able with melamine- or isocyanate crosslinkers for further improved performance</p>
EDOLAN® UH	<p>Aqueous polyurethane dispersion for coating of textiles and non-wovens</p> <p>Anionic High elasticity Gives a soft rubbery handle Suitable for mechanical foaming High light fastness Fixation at lower temperatures possible (from 110°C) Crosslinkable with melamine- or isocyanate crosslinkers for further improved performance High solids</p>
EDOLAN® HS	<p>Aqueous polyurethane dispersion for coating of textiles and non-wovens</p> <p>Anionic Soft handle High elasticity Free from organic solvents and emulsifiers Suitable for mechanical foaming High lightfastness Fixation at lower temperatures possible (from 110°C) Crosslink able with melamine- or isocyanate crosslinkers for further improved performance</p>
EDOLAN® LV	<p>Aqueous polyurethane dispersion for coating of textiles and non-wovens</p> <p>Anionic Outstanding hydrolysis resistance Suitable for mechanical foaming Fixation at lower temperatures possible (from 110°C) In combination with SYNTHAPPRET® BAP 01 applicable for felt free finishing of wool and woolblends Improves dimension stability and reduces pilling Handle modifier</p>

Product Name	Brief Description
EDOLAN® HF	<p>Aqueous polyurethane dispersion for coating of textiles and non-wovens</p> <p>Anionic High elasticity Dry surface Suitable for mechanical foaming High lightfastness Free from organic solvents and emulsifiers Fixation at lower temperatures possible (from 110°C) Crosslink able with melamine- or isocyanate crosslinkers for further improved performance</p>
EDOLAN® HC	<p>Aqueous polyurethane dispersion for coating of textiles and non-wovens</p> <p>Anionic High scratch resistance Dry surface with good slip properties High lightfastness Very good hydrolysis resistance Very good adhesion on certain PVC type Crosslink able with melamine- or isocyanate crosslinkers for further improved performance</p>
EDOLAN® HT	<p>Aqueous polyurethane dispersion for coating of textiles and non-wovens</p> <p>Anionic High scratch resistance Dry surface with good slip properties High light fastness Very good hydrolysis resistance Crosslinkable with melamine- or isocyanate crosslinkers for further improved performance</p>
EDOLAN® RU	<p>Aqueous polyurethane dispersion for impregnation and coating of textiles and non-woven</p> <p>Anionic Extremely hard, rigid polyurethane dispersion without free isocyanate groups High scratch resistance and good slip properties High light fastness Very good hydrolysis resistance Very good adhesion on certain PVC types Unlimited dilution with water for pad application Good flowing properties without film forming on the rollers of the foulard Very good plead stability without whitebreak Crosslinkable with melamine- or isocyanate crosslinkers for further improved performance</p>

Product Name	Brief Description
EDOLAN® MR	<p>Aqueous polyurethane dispersion for impregnation and coating of textiles and non-wovens</p> <p>Anionic Hard, rigid polyurethane dispersion without free isocyanate groups High scratch resistance and good slip properties Good fastness and very good hydrolysis resistance Dry surface with good sliding properties Unlimited dilution with water for pad application Crosslinkable with melamine- or isocyanate crosslinkers for further improved performance</p>

Acrylate binders

EDOLAN® AB	<p>Acrylic dispersion for technical textiles, non-wovens, textile coatings etc.</p> <p>Anionic Acrylic with soft handle Self-crosslinking Very good wetfastness properties and washresistance Miscible with all EDOLAN® binders Basic binder for the production of customized compounds Mechanically foamable</p>
EDOLAN® AH	<p>Acrylic dispersion for technical textiles, non-wovens, textile coatings etc.</p> <p>Anionic Harsh handle Glossy Self-crosslinking Very good wetfastness properties Miscible / combinable with all EDOLAN® binders Binder for the production of customized compounds Stable to light and heat (no yellowing)</p>
EDOLAN® AM	<p>Acrylic dispersion for technical textiles, non-wovens, textile coatings etc.</p> <p>Anionic Acrylic with medium-soft handle Self-crosslinking Very good wetfastness properties and wash – and dryclean resistant Miscible with all EDOLAN® binders Basic binder for the production of customized compounds Mechanically foamable Good stainresistance FDA approved</p>

Product Name	Brief Description
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Compounds

EDOLAN® EP 5950	<p>Aqueous compound for coating of textiles and non-wovens</p> <p>Anionic Gives a very soft handle with a slight rubbery touch Single product, only viscosity needs to be adjusted Washing and dry cleaning resistant Coating can be emerized to realise a soft velours or suede effect Crosslinkable with melamine- or isocyanate crosslinkers for further improved performance</p>
EDOLAN® SI + SIC	<p>Aqueous compound for coating of textiles and non-wovens</p> <p>Anionic Gives an excellent typical silicone handle, a soft and smooth surface Pigmentable Washing and dry cleaning resistant Weather resistant and water-repellent</p>
EDOLAN® WSF	<p>Aqueous compound for coating of textiles and non-wovens</p> <p>Anionic Compound to realize a so-called "wash-down", "wash-off" or "vintage" look Adjustable to desired effect Does not impair needle stitching properties</p>
EDOLAN® EP 5960	<p>Aqueous compound for mechanical foam-coating on textiles and non-woven</p> <p>Anionic Gives a very soft handle with a dry, non-sticky touch Easily mechanical foaming product for breathability in the finishing High lightfastness Excellent for black-out, resulting in very soft handle and nice drape Washing resistant by dry-cleaning and domestic washing Crosslinkable with melamine, isocyanate – or carbodiimide crosslinkers for further improved performance Ready to use</p>
EDOLAN® EP 6090	<p>Aqueous compound for coating of textiles and non-wovens</p> <p>Anionic Gives a very soft handle with a "waxy", "grabby" touch Single product, only viscosity needs to be adjusted Washing and dry cleaning resistant Crosslinkable with melamine- or isocyanate crosslinkers for further improved performance</p>
EDOLAN® SBF + SBFC	<p>Aqueous compound for coating of textiles and non-wovens</p> <p>Anionic Two component coating system with excellent release properties Can be applied by coating as well as padding FDA approved Improves dimension stability Developed for transporting belts for food articles</p>

Product Name	Brief Description
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Coating auxiliaries

EDOLAN® XTP	<p>Polyurethane thickener for aqueous dispersions for coating of textiles and non-wovens</p> <p>Nonionic Special thickening agent for coatings of the EDOLAN® range Long flow Not affected by water hardness and electrolytes, acids alkalis Effective in all pH ranges</p>
EDOLAN® XCI	<p>Aqueous crosslinking agent for aqueous coating systems</p> <p>Anionic Very effective crosslinker for coating binders of the EDOLAN® range Substantial improvement of all properties of coatings Improves the adhesion towards synthetic fibres Limited potlife and storage stability once formulated in coatings Low activation temperature of 120°C Formaldehyde free</p>
EDOLAN® XCIB	<p>Special formaldehyde-free crosslinking agent for aqueous coatings</p> <p>Anionic Very effective crosslinker for coating binders of the EDOLAN® range Substantial improvement of all properties of coatings Improves the adhesion towards synthetic fibres Excellent potlife and storage stability when formulated in coatings Needs a temperature of min. 150 °C to start reaction Formaldehyde free</p>
EDOLAN® XCIC	<p>Crosslinking agent for aqueous coatings</p> <p>Ionicity not applicable High elasticity Very effective crosslinker for coatings with high content Substantial improvements of all properties of coatings Improves adhesion towards synthetic fibres and increases flex resistance Formaldehyde free</p>
EDOLAN® XFM	<p>Modified silicone softener for use in aqueous coating systems</p> <p>Cationic Gives coatings a very full and rich handle No impact on sewability properties Macro-emulsion Low foaming</p>
EDOLAN® XFS	<p>Modified silicone softener for use in aqueous coating systems</p> <p>Slightly cationic Gives coatings a very soft and smooth handle Reduces the friction coefficient of coatings Improves sewability properties Micro-emulsion Low foaming</p>

Product Name	Brief Description
ACRAMIN® ABC	Binder for pigment printing systems Weakly anionic Good binding capacity Produces prints with a very soft handle Prints with ACRAMIN® ABC shows usual wash and rub fastness Binder film has usual fastness to dry cleaning Problem-free application on all printing units Good running properties
ACRAMIN® ALC	Binder for ACRAMIN® pigment printing Weakly anionic Produces prints with a soft hand Binder film has good fastness to light and ageing and good resistance to dry cleaning Prints have a good color yield
ACRAMIN® BPD	Binder for ACRAMIN® pad dyeing Nonionic Binder film has good resistance to light and ageing Crosslinked binder film has good wear properties and adhesion to textile materials made of cellulosic fibres and blends of cellulose and synthetics Good running properties during padding Easy to clean used equipment Brilliant and intensive colouring due to its excellent pigment carrying properties
ACRAMIN® BS-N	Butadiene-based dispersion binder for pigment printing Weakly anionic Good binding capacity High mechanical stability Binder film has good resistance to dry cleaning Not recommended for white pigment prints
ACRAMIN® DB	Butadiene-based dispersion binder for pigment printing Weakly anionic High binding capacity Very soft hand Good resistance to dry cleaning Not recommended for white pigment prints
ACRAMIN® PUD 01	PU-based dispersion binder for pigment printing Anionic Produces prints with high elasticity so particularly suitable for white pigment prints on knitted goods Allows low fixation temperatures
ACRAMIN® SW	Acrylate-based dispersion binder for pigment printing Weakly anionic Produces a soft hand, so particularly suitable for prints on terry and knitted goods Good light stability and ageing resistance Binder film has adequate stability to dry cleaning Ensures good color yield

Product Name	Brief Description
TANABOND KBS 01	<p>Acrylate/butadiene-based dispersion binder for pigment printing</p> <p>High binding capacity Good mechanical stability Good resistance to dry cleaning Not recommended for white pigment prints</p>

Crosslinkers

ACRAFIX® FF	<p>Formaldehyde-free crosslinking agent for pigment printing</p> <p>Nonionic Formaldehyde-free Improves the wet rubfastness and washfastness of pigment prints Print pastes have a good potlife Pourable and pumpable</p>
ACRAFIX® MF	<p>Crosslinking agent for low-formaldehyde pigment printing</p> <p>Nonionic Polyfunctional crosslinking agent that improves the wet rubfastness and washfastness of pigment prints on cellulose, synthetics and their blends Free formaldehyde content: less than 0.9% Pourable and pumpable</p>
ACRAFIX® ML	<p>Crosslinking agent for low-formaldehyde pigment printing Also suitable for nonwovens, technical textiles and coatings</p> <p>Nonionic Improves the wet rubfastness and washfastness of pigment prints Free formaldehyde content: less than 0.4% Far less formaldehyde on goods Improves stability of print pastes, especially at elevated room temperatures Pourable and pumpable</p>
ACRAFIX® ML 200 %	<p>Crosslinking agent for low-formaldehyde pigment printing</p> <p>Nonionic Improves the wet rubfastness and washfastness of pigment prints Free formaldehyde content: 0.7% Far less free formaldehyde on goods Improves stability of print pastes, especially at elevated room temperatures Pourable and pumpable</p>

Product Name	Brief Description
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Printing concentrates

ACRACONZ® DV	<p>Partially neutralized, highly concentrated synthetic thickener for white-spirit-free and low-white-spirit pigment print pastes</p> <p>Anionic Rapid swelling in aqueous systems with an addition of ammonia Pronounced surface printing ensures prints with optimum color yield, brilliancy and levelness Good running properties and washing off of print pastes from screens Reduced pollution of exhaust air</p>
ACRACONC® FN	<p>Synthetic thickener for the production of pigment print pastes</p> <p>Anionic Easy to handle, pourable and pumpable Rapid swelling capacity in aqueous systems, even if stirred at low speed Good resistance to electrolytes and hard water Sharp outlines on synthetic materials and blends Good surface printing gives optimum colour yield, brilliancy and levelness Printing pastes have good running properties and are easy to wash out of screens Hardly alters the handle of prints</p>
ACRACONZ® HC	<p>Highly concentrated, partially neutralized synthetic thickener for white-spirit-free and low-white-spirit pigment print pastes</p> <p>Anionic Rapid swelling in aqueous systems with an addition of ammonia Sharp outlines on synthetic fabrics and blends Pronounced surface printing ensures prints with optimum color yield, brilliancy and levelness Good running properties and washing-off of print pastes from screens Reduced pollution of exhaust air</p>
ACRACONZ® HCN	<p>Highly concentrated, fully neutralized synthetic thickener for white-spirit-free and low-white-spirit pigment print pastes Also suitable for nonwovens, technical textiles and coatings</p> <p>Anionic Rapid swelling in aqueous systems Pronounced surface printing ensures prints with optimum color yield, brilliancy and levelness Good running properties and washing-off of print pastes from screens Reduced pollution of exhaust air</p>
TANAPRINT® ST 2078	<p>Highly concentrated, fully neutralized synthetic thickener for white-spirit-free and low-white-spirit pigment print pastes</p> <p>Anionic Low-viscosity, pourable and pumpable Good resistance to electrolytes Pronounced surface printing ensures prints with optimum color yield, brilliancy and levelness Good running properties and washing-off of print pastes from screens</p>

Product Name	Brief Description
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Emulsifiers and rheology modifiers

ACRAGEL® L	<p>Emulsifier and dispersing agent for textile printing</p> <p>Nonionic Emulsifier for the production of white-spirit-in-water emulsions, especially with highly aromatic white spirit Can be used in the ACRAMIN® pigment printing process and in reactive printing with alginate thickeners Good stability to acids, alkalis, salts and hard water</p>
Emulsifier VA 02	<p>Emulsifier and dispersing agent for textile printing Also suitable for nonwovens, technical textiles and coatings</p> <p>Nonionic Acts as a thickener in emulsion printing with a high white-spirit content, so white-spirit content can be reduced by approx. 20%. Improves levelness and reduces sensitivity to crushing in white-spirit-free and low-white-spirit pigment printing Improves the running properties of both systems Good stability to electrolytes, acids and alkalis</p>
Emulsifier WN	<p>Emulsifier and dispersing agent for textile printing</p> <p>Ensures particularly good running properties in white-spirit-free and low-white-spirit printing Ensures easy cleaning of printing screens and blankets Good stability to acids, alkalis, salts and hard water</p>
TANAPRINT® AFF	<p>Rheology modifier for textile printing</p> <p>Anionic For use in both pigment printing and reactive printing Sharper outlines, improved levelness and higher color yield</p>
Thickener A 02	<p>Dispersing agent and rheology modifier for textile printing Also suitable for nonwovens, technical textiles and coatings</p> <p>Nonionic Acts as a thickener in emulsion printing with a high white-spirit content, so white-spirit content can be reduced by approx. 20%. Improves levelness and reduces sensitivity to crushing in white-spirit-free and low-white-spirit pigment printing Improves the running properties of both systems Good stability to electrolytes, acids and alkalis</p>

Softener

ACRAMIN® Softener MPG 01	<p>Softener for pigment printing</p> <p>Nonionic Self-emulsifying in pigment print pastes Low pollution of exhaust air Gives prints a pleasantly soft, smooth and dry hand Improves dry rubfastness of prints Increases brilliancy and color yield, especially of white-spirit-free prints</p>
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Product Name	Brief Description
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Antifoams

NOFOME C	Antifoam based on a modified silicone for textile printing Nonionic Stable to hard water up to 20° German hardness Stable in the acidic to slightly alkaline pH range Very effective on all printing units
NOFOME 1125	Silicone-based antifoam with good resistance to shear forces Nonionic Wide application range Effective at pH 2-12
RESPUMIT® NF 01	Silicone-free antifoam and deaerating agent for use in pretreatment, dyeing, printing and finishing Nonionic Effective at pH 2-14 Not temperature-dependent
RESPUMIT® 3300	Antifoam for textile printing pastes Also suitable for nonwovens, technical textiles and coatings Nonionic High efficacy Long-lasting effect

Other auxiliaries

ACRAFIX® Compound U	Auxiliary to produce white-spirit-free and low-white-spirit pigment print pastes Nonionic Combination of emulsifiers, softeners and crosslinking agents Simplifies recipes, allowing more efficient formulation of print paste with less scope for mistakes Can be combined in any ratio with aqueous print paste formulations Pourable and pumpable Little contamination of exhaust air Improves fastness properties Optimum dye yield, brilliancy and levelness of prints
ACRAMIN® Prefix K	Auxiliary for pigment dyeing of textiles (garment dyeing) Cationic Allows short dyeing times Good bath exhaustion (up to 98%), so little pollution of waste water High color yield Improves the reproducibility of dyeings Far less soiling of dyeing units

Product Name	Brief Description
LEVALIN® KF	Auxiliary for the production of water-in-oil emulsions Simple production of water-in-oil emulsions with and without alginate Suitable as a thickening system for reactive printing because it ensures: high penetration, sharp outlines and easy to wash off Mainly suitable for the application of reactive dyes on pile fabrics and terry goods
TANALID® CD	For carpet printing and space-dyeing of polyamide Anionic Higher color yield Anti-frosting effect
TANAPRINT® ASU	Fixation accelerator for direct and discharge printing of polyester with disperse dyes Nonionic Sensitive to hard water Improves the color yield and brilliancy of prints Sharper outlines in discharge printing
TANAPRINT® PAC	Fixation accelerator for direct and discharge printing with basic dyes Nonionic Not sensitive to hard water Gives brilliant prints with high color strength Does not damage fibers Does not impair lightfastness
TANAPRINT® RDC	Special auxiliary for resist application Weakly cationic Excellent reserving effect Anti-frosting effect
TANAPRINT® SDP	Thickener with exceptional electrolyte and pH stability for special applications Anionic Shows high electrolyte resistance Shows good resistance at low pH values Achieves homogeneous pastes with an excellent rheological character and spraying properties Provides frosting free prints with good colour yield and excellent definition Meets the highest requirements concerning viscosity and flow properties No contamination on the substrate after washing/rinsing procedure
TANAPRINT® 7023	Synthetic thickener for printing polyester with disperse dyes Anionic Sensitive to hard water High color yield Simple recipes can be used Good washing-off properties
TANASPERSE® PGT	Solvent-free cleaning for printing blankets Nonionic Removes encrusted back-gray adhesives, thickeners and other residues

Product Name	Brief Description
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Spray printing of carpets / printing concentrates

<p>TANAPRINT® ST 160, TANAPRINT® ST 160 CA, TANAPRINT® ST 160 conc. TANAPRINT® 2000</p>	<p>Synthetic thickeners with high ionic resistance for spray dyeing and printing of carpets with acid and metal-complex dyes</p> <p>The products are formulated to suit varying operating conditions</p> <p>Main properties of all products:</p> <ul style="list-style-type: none"> - Sharp outlines - No frosting - No clogging of nozzles - Easy to wash off
<p>TANAPRINT® ST 160 Xtrme</p>	<p>A highly concentrated polyacrylate thickener free of mineral oils for chromojet printing on carpets</p> <p>Anionic No mineral oils are present Achieves homogeneous pastes with an excellent character and spraying properties Sharp outlines Provides frosting free prints with good colour yield and excellent definition Meets the highest requirements concerning viscosity and flow properties Good washing-out properties on substrate and for cleaning Chromojet machine No clogging of nozzles</p>

Spray printing on carpets / auxiliaries

<p>NOFOME 1125</p>	<p>Silicone-based antifoam with good resistance to shear forces</p> <p>Nonionic Wide application range Effective at pH 2-12 Controlled foam suppression during fixation in saturated steam</p>
<p>TANASPERSE® CJ</p>	<p>Special penetration and leveling auxiliary</p> <p>Nonionic Gives homogeneous pastes Easy to wash off</p>
<p>TANASPERSE® CT</p>	<p>Cleaning agent for Chromojet units</p>
<p>TANATERGE® RINSE</p>	<p>Cleaning agent for Chromojet equipment</p> <p>Anionic Special cleaning agent Removes residues from dyes, thickener and other impurities Safe to use: no attack on machine parts, tanks, tubes etc.</p>

Product Name	Brief Description
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Products for washing-off / after treatment of prints

BAYSOLEX® 42062	<p>Chelating and aftersoaping agent for reactive dyeing and printing</p> <p>Anionic Auxiliary to remove reactive dye hydrolysate Prevents staining and spotting of unprinted sections of fabric Prevents cross-staining of discharge prints on grounds dyed with direct dyes during washing-off Effective in continuous washing-off processes, even at under 95 °C</p>
MESITOL® NBS/NBS liquid 01	<p>Auxiliaries to improve the wetfastness of polyamide printed with acid and 1:2 metal-complex dyes</p> <p>Anionic Low-foaming No reduction in lightfastness Do not contain ammonium nitrogen or ammonium that could release nitrogen, i.e. do not increase eutrophication of water</p>
PLEXENE SP	<p>Special dispersing agent with high alkaline buffering capacity for washing-off polyamide and polyamide/elastan articles</p> <p>Can be combined with anionic, cationic and nonionic products Prevents staining of white grounds and enhances washfastness through optimum soaping</p>
TANAFIX® SRC	<p>Formaldehyde-free aftertreatment agent for reactive prints on cellulose and silk</p> <p>Cationic Low-foaming Stable at pH 3-11 Improves the wetfastness of reactive prints</p>
TANATERGE® A	<p>Post treatment agent for prints on acrylics</p> <p>Cationic Stable to hard water Rapid swelling of print paste thickeners Prevents unfixed dye staining the print grounds</p>
TANATERGE® AP	<p>Low foaming post treatment agent for prints on wool, silk and polyamide</p> <p>Cationic Very good removal of unfixed dyes and thickeners Excellent reserving of print grounds Low-foaming Suitable for continuous and discontinuous processes To achieve brilliant shades with high fastness</p>
TANATERGE® DRC	<p>Universal low foaming dispersing agent and fastness improver for the continuous and discontinuous aftertreatment of disperse prints on polyester</p> <p>Nonionic Low-foaming Prevents unfixed dye staining white grounds</p>

Product Name	Brief Description
TANATERGE® M-RE	<p>Mineral-based auxiliary for the post-scouring of reactive dyes on cellulosic fibres</p> <p>Is based upon selected minerals Provides excellent removal of hydrolysed reactive dyestuffs with optimum colour fastness Is suitable for jet and overflow machines Is suitable for most circulation machines (yarn) Can be applied for the post-scouring of reactive printed goods Has very low chemical oxygen demand (COD) Is environmentally friendly</p>
TANATERGE® PA-L	<p>Post treatment agent for prints on wool, silk and polyamide</p> <p>Cationic Removes unfixed dyes and thickeners Excellent reserving of print grounds Brilliant shades with high fastness Suitable for continuous and discontinuous processes Low-foaming so it can be used on machine systems with high liquor circulation</p>
TANATERGE® RE	<p>Detergent for washing off reactive prints on cellulose</p> <p>Anionic Stable at pH 3-12 Good capacity to remove hydrolysate</p>
TANATERGE® SW-LF	<p>Low foaming post treatment agent for polyamide printed with acid, 1:2 metal-complex dyes and reactive dyes</p> <p>Cationic Stable to hard water up to 30° German hardness Low-foaming Prevents unfixed dye staining white grounds</p>
TANEDE® RC	<p>Biodegradable reducing agent for washing off disperse prints on polyester and acetate</p> <p>Good storage stability Odourless</p>

Registered trademarks:

ACRACONZ [®]	MERSE [®]
ACRAFIX [®]	MESITOL [®]
ACRAMIN [®]	MIGRASSIST [®]
ASTRAGAL [®]	PERLIT [®]
AVOLAN [®]	PERSOFTAL [®]
BAYGARD [®]	REACTOSIL [®]
BAYLAN [®]	RESPUMIT [®]
BAYLASE [®]	STATEXAN [®]
BAYPRET [®]	SUSTILAN [®]
BAYREDUCT [®]	SYNTHAPPRET [®]
BAYPROTECT [®]	SYNTHARESIN [®]
BAYSCENT [®]	TANACID [®]
BAYSOLEX [®]	TANADEL [®]
BAYSTABIL [®]	TANADYE [®]
BLANKOPHOR [®]	TANALEV [®]
BLUE J [®]	TANALID [®]
CELLOLUBE [®]	TANALUBE [®]
DIADAVIN [®]	TANAPAL [®]
DS 14 [®]	TANAPRINT [®]
EDOLAN [®]	TANASPERSE [®]
ERKANTOL [®]	TANATERGE [®]
EULAN [®]	TANAVOL [®]
LELEGAL [®]	TANEDE [®]
LEVALIN [®]	TANNEX SPECIAL [®]
LEVAPON [®]	TANNEX [®]
LEVOGEN [®]	TANUVAL [®]
LUBIT [®]	TASTEX [®]

Note on trademarks

The list above is a mix of TANATEX owned tradename and (exclusive) licenced tradenames.

General note on product designations

Under statutory regulations on occupational safety, environmental protection and transportation, all changes to the composition of products must be indicated. Changes are indicated by adding numbers to the product designation, e.g. 01, 02, etc. They do not alter the technical properties of the product.



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