



# techna italia

A specialty chemical company for textile

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# Products Guide





## ANTIFOAMS AND DEFOAMING AGENTS

### NON SILICONE TYPE

**Antifoam NS** Non-silicone defoamer. Cost efficient antifoam, defoamer which contains no silicone or silicates. Prevents or reduces foam in all dyeing and finishing processes. Cold water dispersible.

**Antifoam PJ New** High quality non-silicone defoamer. Prevents or reduces foam in all dyeing and finishing processes. Suitable for high turbulence systems. (Jet...).

### SILICONE TYPE

**Antifoam R100** A silicone emulsion for use in antifoaming and defoaming in a wide range of textile applications. ANTIFOAM R 100 is effective in preventing foam buildup in an open beck.

**Antifoam R200** A more concentrated form of ANTIFOAM R 100.

## BUFFERS

**Buffer 5** Acid buffer pH 5 - 5,5 for dyeing of PES and PES/CO and acid enzymatic cellulase treatment.

**Buffer DEN** Acid buffer pH 5 - 5,5 with dispersing properties on denim treatment with enzymes.

**Novacid S** Acid donor on nylon and blends with acid dyes.

**Buffer TR** Buffered alkaline system for dyeing cotton and cellulosic fibres with reactive dyestuffs. Optimal pH control.

## CARRIERS

**Chemcar A** Carrier for dyeing polyester fibres, with powerful migration and levelling properties at H.T. conditions. Low odour, low foaming and ecological. (Specially recommended in PES/CO/Lycra blends)..

**Chemcar PC** Carrier for dyeing on PES and blends at low temperature (100 °C).

## ENZYMES

**Novalase HT/12** High temperature stable enzyme desizing agent from bacillus licheniformis. 120 KNU/g.

**Novalase LT/56** Low temperature enzyme desizing agent from bacillus subtilis. 560 KNU/g.

**Novastone Super Liq.** Acid cellulase for denim stonewashing. Highly concentrated product.



**Novastone L.** Antipilling enzyme. Improves look and hand. Better covering power of dead cotton.

**Novastone W-O** Protease enzyme for silk and wool treatments.

**Novastone PN 10-E** Neutral cellulase in powder form for denim stonewashing.

**Novastone T Grains** Acid cellulase for denim treatment including buffer and dispersing agent.

**Oxitase 100** Catalase for removing peroxide in textile process.

## DYEING ASSISTANTS, LEVELERS AND RETARDERS

### ANTIPRECIPITANTS

**Novogen 912** Outstanding migrating agent for disperse, premetallized and cationic dyes on synthetic fibers and wool. Used as an anti-precipitant in differential dyeing with acid, disperse and cationic dyes in one bath. (100% AS).

**Novopol SE 550** An anti-precipitant for use with acid, disperse or cationic dye combinations. NOVOPOL SE 550 is also excellent as a retarding and levelling agent for acid dyes on wool. (100% AS).

### CATIONIC RETARDERS

**Divegal BF 50** A combination retarding and levelling agent for use with cationic dyestuffs on acrylic fibers. It is also effective on acrylic/wool blends.

**Divegal MR conc.** Migrating agent for cationic dyes on acrylic and modacrylic fibers.

### DISPERDENTI

**Dispersolo WS** Anionic dyeing assistant in solid form. Used for pasting of disperse dyestuffs. Dye dispersions are characterized by extremely small particle size. Prevents agglomeration of dye particles during the entire dyeing cycle and minimizes risk of specking and poor crockfastness.

**Dispersolo R100** Anionic dyeing assistant which gives outstanding transfer and leveling of acid dyes on nylon and wool. It has excellent barré and streak-covering properties.

### AGENTI UGUALIZZANTI

**Dispersolo AS** A leveling agent which improves the migration of acid dyes on nylon fibers and direct dyes on cotton.

**Dispersolo KE** provides outstanding transfer of acid dyes.

**Dispersolo Jet** may be used as a noncarrier system in the dyeing of polyester fibers under pressure.



## FABRIC LUBRICANTS

**Novolube AES Conc.** Anionic leveling agents. Promote migration and leveling of direct, disperse and reactive dyes on cotton and polyester/cotton blends. Provide enhanced dispersion stability with fine particle size. Effective lubricants which minimize rope marks.

**Novolube MSF** An anionic lubricant for use in dispersed dyebath to enhance dispersion stability and fiber lubrication. Lecithin derivative.

**Novolube 140** Anticreasing, dispersing and levelling agent for PES dyeing. No foaming product.

## FIXING AGENTS

**Novofix CF** Cationic derivative of organic base. Substantive fixing agent to prevent bleeding of direct colours. Improves fastness to wet environment. Used alone, in dyebath rinse, or with resins..

**Novofix BF Extra Conc.** Free of formaldehyde. Improves wet fastness of direct and reactive dyestuffs with minimum change of shade. No negative effect on light fastness.

## PENETRANTS AND WETTING AGENTS

**Deterwet KD** A low foaming, nonionic/anionic very fast wetting agent. It is especially recommended for use in continuous process.

**Deterlene TK** Highly active wetting agent for desizing, scouring and bleaching, in continuous and exhaustion methods.

**Deterwet FSE** A very fast anionic wetting agent for use in scouring and dyeing all fibers. It is compatible with all dye types and has excellent dispersing properties. Effective at room temperature because of its cold water solubility.

**Deterwet NA/75** Mercerizing penetrant.

## PREPARATION, SCOURING AND BLEACHING ASSISTANTS

**Deterpal HED** Desizes, scours and bleaches simultaneously. Used on cottons and cellulosic fibers.

**Deterpal 160** Multi-purpose products which may be used as low temperature scours, wetters for desizing and bleaching or soaping agents for fiber reactive colours.

**Perox FAG** Extremely effective liquid stabilizer for hydrogen peroxide bleach baths. It is a complete replacement for sodium silicate, eliminating the problems of silicate deposits on equipment and fabric.

**Deterlene PC** Non-ionic detergent and wetting agent. Penetrant and leveling agent for synthetics and cotton. Good general purpose non-ionic scouring detergent. Recommended on discontinuous process.



**Detersolv AF/D** An excellent scouring agent for use in removing lubricants and spinning oils from fibers. The combination of solvent and detergent makes it very effective for removing oil and grease stains from goods in batch or pad-batch operations. Also very effective for removing unfixed dyes. Improves crockfastness.

**Deterpal LA Conc.** Blended nonionic detergent system. Developed to facilitate rapid removal of knitting or coning lubricants. Most effective on open width equipment where agitation is at a minimum. Recommended for wool and blends.

**Deterpal SD/NF** Blended nonionic surfactants. Extremely low foaming detergent systems for removal of oils, lubricants and foreign materials from polyester double knit fabrics. Low foaming characteristics make these products suited for equipment where high turbulence is present.

## SEQUESTERING AGENTS

### PREPARATION

**Permatol 54/P** Phosphonated anionic salt complexing agent for alkaline earth metals, with excellent action in preparation specially in scouring and peroxide bleaching. Excellent silicate dispersing and anticatalytic action.

**Permacol SH** Anionic complexing agent of heavy and alkaline earth metals. Specially recommended for oxidative processes.

**Sequestrante SPR** Ca<sup>++</sup> and Mg<sup>++</sup> sequestering / dispersing agent for cotton and metal complex.

### DYEING AND SOAPING

**Permacol 107** Sequestering and dispersing agent suitable for dyeing. No effects on metal-complex dyes.

**Permacol OP** Acrylic acid derivative. Ca<sup>++</sup> and Mg<sup>++</sup> sequestering agent. Dispersing agent for direct reactive, disperse, sulphur and vat dyestuffs. Any negative effect on metal complex dyes. For use at all stages of processing, and specially in all kind of soaping processes.

**Permacol CP** Polycarboxylic polymer. Dispersing and sequestering agent for dyeing, soaping of cellulosic fibers with direct, reactive, sulphur and vat dyestuffs.

**Permacol RK** Dispersing, sequestering and soaping agent with direct reactive sulphur and vat dyestuffs.

## SOFTENERS

### CATIONIC

**Base CS/100** Cationic softener which may be used on various textile fibers to impart a soft, slick hand. The liquid form can be incorporated directly into a textile dyebath. (100% AS).

**Base K/990** Non-yellowing cationic softeners for use on polyester/cotton blends and acrylic/cotton blends. BASE K/990 is a 100% AS concentrate in solid form. Imparts hydrophilicity.



**Base HCS** Universal cationic softeners for cellulosic and synthetic fibres. Smooth uniform slightly grasy handle.

**Base MO** Imidazoline derivative. It is high activity, substantive cationic softener. For cellulosic fibers and blends. Applied by exhaustion as a top softener on denim treatment. (100% AS).

**Base SHG** Cationic softener which may be used on various textile fibers to impart a soft and slick hand. It can be incorporated directly into a textile dye bath. It can be diluted at low temporary (100% AS)

**Novamin GR** High performance for napping articles made of cotton and its blends.

**Base OT Conc.** Cationic softener for cellulosic and synthetic fibers with antistatic properties.

**Noamin JT** Non yellowing cationic softener for napping articles made of cotton and its blends. It can be applied during bleaching, improves a soft hand and a good hydrophilicity

## NON IONIC

**Noamin WG** Unique concentrated liquid self-finish. Used as the major softening component in pre-cure and post-cure permanent press processing. Provides full-bodied softness with surface slickness and luster. Effectively reduces "boardiness" on post-cured fabric. Improves fabric drape and surface touch after calendaring wash/wear and pre-cure fabrics.

## ANIONIC

**Base NS Conc.** Non-yellowing anionic softeners for using on various textile fibers. Compatible with optical brighteners can be applied during bleaching. Improves fabrics mechanical properties such as lubricating. Good anti-static qualities.

## TEXTILE SPECIALTIES

**Oxidol 432** An economical, highly efficient and ecologically desirable oxidizing agent for sulfur and vat dyes. Can be used either on continuous or batch dyeing operations.

**Oxidol RE** Avoids reduction of reactive dyes. A liquid, ecologic replacement for sodium m-nitro benzen sulphonic acid, Sodium salt. Used in dyeing and printing.

**Oxidol PTR Granules** Oxidative agent. Avoids reduction of reactive dyestuffs.

**Deterwet FW** De-aerating and wetting agent for exhaustion dyeing. No ionic/anionic.

**Deterwet HT** De-aerating and wetting agent for exhaustion dyeing and in H.T. system. No ionic/anionic.

**Microfinish TFX Conc.** Amino functional silicone microemulsion for continuous processes. Improves sewability and softness. Non yellowing.

**Microfinish TA Conc.** Amino functional silicone microemulsion for exhaustion method. Very good handle. Improves elasticity and sewability.

**Base Microfinish Conc.** Amino functional silicone microemulsion prepared for dilution.

**Microfinish W** Cyclic microemulsion for cellulosic fibers. Non yellowing, special handle and improves hydrophilicity.



**Microfinish HD** Hydrophilic silicone microemulsion. Suitable for exhaustion and pad process.

**Protex ZIP** Preparation and dyeing assistant on garment. Corrosion inhibitor for metals. Avoids spots caused from zips, rivets and buttons, during dyeing or washing of garments.



## PRINTING SPECIALITIES

**Chemcar S-HT** Carrier for disperse dyestuffs on PES 100%. Steaming H.T. conditions.

**Novocryl S-P** Acrylic binder with 60% solid contains. Soft hand. Curing 4 - 5 min. at 150° C.

**Novocryl S-VA** Acrylic / Vinilic binder with 50% solids.

**Novocryl S-B** Styrene / Butadiene binder. Soft handle. Curing 130 - 150° C.

**Novofix ST** Catalyst for pigment printing at 125 °C.

**Novocol AP/P** Water soluble adhesive. Screen and rotary machine. PVA 13%.

**Novocol AP/ZT** Water soluble adhesive. Screen and rotary machine. PVA 18%.

**Detersolv R-50** Washing off reactive dyestuffs on cotton and acid dyestuffs on polyamide.

**Detersolv S-797** Detergent. Removes impurities and residual dyestuffs from the adhesive in tables and machines.

**Detersolv S-PA** Detergent. Removes permanent adhesives and thermoplast from tables and machines. No negative effect on blankets.

**Dispersolo VP** Washing off direct dyestuffs.

**Dispersolo ER 80** Strong dispersing agent. Washing off disperse dyestuffs.

**Dispersolo SE Liq.** Dispersing agent washing off disperse dyestuffs.

**Oxidol PTR Granules** Oxidative agent. Avoids reduction of reactive dyestuffs.

**Oxidol RE** Oxidative agent. Avoids reduction of reactive dyestuffs. Same activity than *OXIDOL PTR GRANULES*.

**Antifoam SFR** Antifoam. No silicone contains. Soluble dyestuffs.

**Antifoam R100** Silicone based antifoam. For all kind of pigment pastes.

**Novolube S-LU** Lubricating, wetting and flowing agent for all kind of pigment pastes.

**Novasil S-100** Silicone oil softener. Pigment printing.

**Novasil S-AS** Softening siliconed agent for pigment printing

**Detersolv S-AC** Acid and direct dyestuffs solubilising agent.

**Detersolv SBD** Acid and direct dyestuffs solubilising agent.

**Novolube S-WL** Wetting and leveler agent for Lycra / Poliomyde printing. "Antifrosting".

**Novolube S-50** Lubricant and leveler for printing pastes. Antiblocking of screens.

**Novofix S-30** Fixing agent for acid dyes.

**Novofix CF** Fixing agent for direct and reactive.

**Novofix BF Conc.** Fixing agent for direct and reactive. Without formaldehyde.

**Novapret LF** Fixing agent. Low formaldehyde. Used in pigments 75 % solids.

**Novapret MF** Fixing agent for pigments 60 % solids.



## FABRIC PRINTING

**Bianco S-PR** White ready to use. High opacity. Soft hand. On all type of printing machinery. Curing 5 min. at 150° C.

**Bianco S-OP** White ready to use. Medium opacity. More economic. Soft hand. On all type of printing machinery. Curing 5 min. at 150° C.

**Bianco S-PP** White prepared to be coloured with pigments. Appropriate for polipropilenic fibres. Curing 4 min. at 120 - 125° C.

**Printlake S-110** Lake ready to use. Soft hand. Curing 5 min. at 150° C.

**Printlake S-T Extra** Very elastic base for colour. Very soft hand. Curing 5 min. at 150° C.

**Printlake S-AGR** Silver effect. Possible to colour with pigments.

**Printlake S-AUR 77** Gold effect for rotary machine. It doesn't go rusty.

**Emulsion S-WS** Emulsifier water / solvent.

**Clear S-GP** Synthetic thickening agent for pigment printing. It can be used in emulsion and in aqueous system. Aprox. 30 - 32 gr/Kg.

**Clear S-PT** Synthetic thickening agent for pigment printing. It can be used in emulsion and in aqueous system. Aprox. 18 gr/Kg.

**Print S-VP** Readily thickens pigment printing pastes to give sharper, brighter and more uniform prints. Combined in formulation with CLEAR S-GP.

**Nero Acido Pro** Ready to use. Acid black for printing profile.

**Novoprint S-Rongeant** Ready to use. Paste for "Rongeant" effect.

## GARMENT AND T-SHIRT PRINTING

**Bianco S-A** Brilliant and elastic white. High opacity. Curing at low temperature.

**Bianco S-AV2** Brilliant and elastic white. High opacity. Curing at low temperature. Shaded.

**Bianco S-B** Brilliant and elastic white. Maximum opacity. Curing at low temperature.

**Printlake S-25** Brilliant and elastic lake for colours with very high opacity. Curing at low temperature.

**Novoprint S-CAR** Adhesive base for transfer paper.

**Printlake S-PF** Three dimensional printing. Brodery effect.

**Printlake S-HO** Ready to use print paste, in pigment printing high opacity.

**Printlake S-Trans** Transparent, elastic, base. High opacity.

**Novolube GR** Lubricating, wetting and flowing agent for pigment pastes. No negative effect in fastness.

**Novocryl AB** Acrylic binder self-curing.

**Novoprint JE** Base for printed "Stone Wash" effect.



**Novoprint S-FD** Ready to use print paste in pigment printing. Curing at low temperature.

**Novoprint S-GL** Elastic base for glitter. Curing at low temperature.

**Novoprint S-AUR** Elastic base for gold and silver effects. Curing at low temperature.

**Novoprint S-TP** Ready to use print paste in pigment printing. Soft hand. Curing 4 - 5 min. at 150° C.

**Novocol PE** Permanent adhesive for garment printing.

**Novoplast series** Brand of dyes, PLASTISOL type. "Flash curing".

**Printlake S-AUR 80** Gold effect. It doesn't go rusty.

**Printlake S-AG 70** Silver effect. It doesn't go rusty.

**Printlake S-PEA** Prepared base for colouring a "peach skin" effect. It may be used for flatbed and rotary machines. Drying at 170°C is recommended.

**Bianco S-BM** Shiny, elastic covering white. It must be cured for 3 minutes at 150°C.

**Printlake S-BT** Shiny, elastic covering lacquer for colouring. It must be cured for 3 minutes at 150°C.

**Printlake S-FOAM 4** Three dimensional printing. Brodery effect. It can be used in steaming procedures. High swelling power. It stands temperatures of 170° C.

**Printlake S-FOAM** Three dimensional printing. Brodery effect. It can be used in steaming procedures. Less swelling power. It stands temperatures of 170° C. Excellent solidity.