TAA for pretreatment (wetting, scouring, boiling, soaping)

- **Alfonal K**
  Nonionic condensation product of diethanolamine and fatty acids
  Multipurpose highly efficient wetting agent with outstanding detergent properties.

- **Alfonal S**
  Nonionic fatty alcohol ethoxylate
  High-speed wetting and low-foaming deaerating agent for all types of textile technologies.

- **Alfonal WEA**
  Nonionic fatty alcohol ethoxylate
  Wetting, deaerating, defoaming and entirely non-foaming agent for all types of textile technologies.

- **Duopon BC**
  Anionic aqueous solution of anionic surfactants with addition of nontoxic nonhalogenated organic solvents
  Ecological scouring agent with detergent, emulsifying and dispersing properties suitable for plant, animal and synthetic fibres. It is stable in both acid and alkaline environments and its main feature is the ability to perfectly scour all spinning preparations.

- **Duopon BCN**
  Nonionic aqueous solution of nonionic surfactants with addition of nonhalogenated organic solvents
  Scouring agent with limited foaminess, high surfactant, emulsifying and dispersing efficiency and ability to perfectly scour all spinning preparations especially in the presence of soda.

- **Duopon BCN-LF**
  Nonionic water-free blend of nonionic surfactants with addition of nonhalogenated organic solvents
  Scouring agent with limited foaminess, high surfactant, emulsifying and dispersing efficiency and ability to perfectly scour all spinning preparations especially in the presence of soda.

- **Duopon BCN-NF**
  Nonionic water-free blend of nonionic surfactants with addition of nonhalogenated organic solvents
  Scouring agent with no foaminess, high surfactant, emulsifying and dispersing efficiency and ability to perfectly scour all spinning preparations especially in the presence of soda. It is well suited for high-speed circulating and jet apparatuses.

- **Duopon LAV**
  Anionic aqueous solution of surfactants with addition of inorganic compounds
  Scouring agent with no organic solvents suitable for pre-scouring, scouring and boiling of cellulose fibres, scouring of woven materials and pretreatment of PES.
Syntapon ABA
synergistic blend of anionic surfactants in form of an aqueous solution
Common scouring and boiling agent with high detergent and dispersing efficiency, suitable for boiling of cellulose materials, desizing, removal of spinning and spiral oils and prints scouring. It is also useful for soaping of reactive dyes.

Syntapon ABA-new
synergistic blend of anionic surfactants with addition of sodium salt alkylderivatives
Ecological scouring and boiling agent with high surfactant efficiency for both cold and hot processes. It is easily biodegradable, suitable for all types of fibres and their mixtures.

Syntapon ABT
anionic surfactant in form of sodium and alkanolamine salts
Scouring and soaping agent, suitable for wetting, scouring and boiling of cellulose materials, prints scouring and soaping of saturated dyes.

Syntapon AC
acrylic polymer
Sequestering, scouring and soaping agent for reactive and vat dyeings and printings, used to remove Ca, Mg and Fe+++ cations in all processes of pretreatment and printing where these cations are undesirable. Levelling agent for dyeing of cellulose fibres.

Syntego TE

TAA for dyeing & printing
(wetting, engraining, antirecreasing, levelling, dispersing, soaping, fixing, oxidizing)

Alfonal K
nonionic condensation product of diethanolamine and fatty acids
Useful for dye baths as a wetting, engraining and levelling agent. Improved leveling effect can be achieved when combined with the Syntegal product range.

Alfonal S
nonionic fatty alcohol soap
High-speed wetting, desizing and low-floaming agent for all types of textile technologies.

Alfonal WE
nonionic fatty alcohol ethoxylate
Wetting, desizing, delustrating and entirely non-floaming agent for all types of textile technologies.

Emaisol 3 conc.
An effective blend of organic and inorganic non volatile acids as a buffer
An agent used to replace volatile acids such as the acetic or formic acid which deteriorate the dye house's air. If necessary, the product maintains constant pH for the entire period of dying processes.

Syntamin PL
anionic synergistic blend of alkylphosphates and fatty acids alkanolamides
Anticreasing agent with limited foaminess, stable in the whole range of pH values of the dye bath, suitable for both exhaust and padding techniques of dying. It imparts antistatic properties to the synthetic fibres.

Spolan 4
aromatic sodium salt of naphthalenesulfonic acid condensate
Dispersing agent for dying of PES and PPD with disperse dyes, suitable especially for leveling of basic dyes on PAN fibres and leveling of anionic dyes on PAN fibres.

Synteral A/H
aromatic sodium salt of sulfophthalic sulfo salicylate in an aqueous solution
Medium-floaming, wetting, engraining, leveling and antirecreasing agent for cellulose fibres which also enhances the leveling effect of PAA fixers.

Syntapan AC
acrylic polymer
Sequestering, scouring and soaping agent for reactive and vat dyeings and printings, used to remove Ca, Mg and Fe+++ cations in all processes of pretreatment and printing where these cations are undesirable. Levelling agent for dyeing of cellulose fibres.

Syntegal TE
nonionic fatty alcohol ethoxylate
Wetting, deaerating, defoaming and entirely non-foaming agent for all types of textile technologies.

Enacid 5 conc.
on-active blend of organic and inorganic non-volatile acids as a buffer
An agent used to replace volatile acids such as the acetic or formic acid which deteriorate the dye house's air. If necessary, the product maintains constant pH for the entire period of dyeing processes.

Syntamin PL
anionic synergistic blend of alkylphosphates and fatty acids alkanolamides
Anticreasing agent with limited foaminess, stable in the whole range of pH values of the dye bath, suitable for both exhaust and padding techniques of dying. It imparts antistatic properties to the synthetic fibres.

Spolan 4
aromatic sodium salt of naphthalenesulfonic acid condensate
Dispersing agent for dying of PES and PPD with disperse dyes, suitable especially for leveling of basic dyes on PAN fibres and leveling of anionic dyes on PAN fibres.
Levelling agent for dyeing of wool fibres with acid dyes, dyeing of mixed materials (wool/PES) and dyeing with basic dyes. It provides optimal adhesion to the fibre. When properly dosed, it does not retain the dyestuff in the bath and for strongly exhaust dyestuff it provides slow, levelled adhesion to the material.

Syntegal EODA new nonionic preparation of modified oil-free alkylpolysiloxane with addition of viscosity-reducing agents Levelling agent for soaking of wool, PES and their mixtures with methyl complex, acid and blended dyes (Rybasol, Lanaset) where it provides optimal adhesion to the fibre. The flock dyed using this method is easy to spin, the yarn does not spin and the final materials are easy to modify. The finished threads do not cut through the seams.

Syntegal HT-PES nonionic component of aromatic acetylglycolglycerol blended with efficient dispersant Levelling and dispersing agent for dying of PES with dispersed dyes also suitable for colour brightening. It prevents from precipitation of oligomers on fibre and drying appearance. It enhances engraining and dye levelling of PES dyed using the Thermosol method. This flock dyeing using the method is easy to spin, the yarn does not spin and the final materials are easy to modify. The finished threads do not cut through the seams.

Syntegal O inert of nonionic fatty alcohol derivatives Low-forming levelling agent for drying of wool 1:1 with metal complex dyes. It improves engraining and features a superior levelling ability. It is also suitable for stripping of defective dyeings.

Syntegal TE cationic aqueous solution of cationitised alkenesulfonic methosulphate Levelling agent for drying of wool fibres and PES fibres with salt dyes.

Syntegal V 7 cationic aqueous solution of cationitised alkenesulfonic methosulphate Levelling agent for drying of wool fibres with acid and substantive dyes, also suitable for prints soaking and prints ageing, colour brightening and stripping of defective dyeing.

Tykan G cationic aqueous transparent microemulsion Weak soaking agent for applications where it is desirable to protect especially reactive dyes and pigments from reducing effects of the environment. The product is available in dust-free form.

Dekapren TM-AC2 cationic aqueous solution of acrylic polymer with addition of an antioxidant Levelling agent intended for finishing of the textile materials which require elevated stiffness, dimensional stability, long-term and ecological efficiency.

Duopan VN inert of anionic surfactant and ecological solvents Easily biodegradable milling agent for acid and neutral milling. It features favourable wetting, cleaning, dispersing, emulsifying and antiredeposition properties.

Duopan G inert of surfactant and ecological solvents Milled cationic agent for pre-milling and for neutral milling and wet-drying. It behaves properties similar to Duopan VP.

Sintex 30, Sintex 153 cationic aqueous solution amphoteric compound with addition of stabilizers for acid and alkaline milling treatment of textiles. It improves the touch, roughness, and ready-made processing of textiles and provides for easy 'wash-and-wear' maintenance. It is designed for softening of both plant and synthetic fibres and their mixtures which have been optically whitened. The product can be used in both exhaust and padding techniques as well as with coloured materials.

Syntamin SK cationic aqueous transparent microemulsion Silicone-based softening agent with strong corrosion effect. It imparts a soft and flyaway touch to the material. The product is also suitable for the jet apparatuses and for both natural and synthetic materials and their mixtures.

Syntamin LM cationic microemulsion of modified alkenesulfonic and alkenesulfonic acids High-efficient non-cationic softening agent suitable for FoD dyings. It imparts a soft, smooth and flyaway touch to the material and decreases the seam cut-through. It is preferable for high-speed circulating apparatuses, for both natural and synthetic materials and their mixtures.

Syntamin TE nonionic component of fatty acids with addition of stabilizing substances Highly efficient non-silicone softening agent for final washable treatment of textiles. It enhances the touch and ready-made textile processing. It is designed for softening of both plant and synthetic fibres and their mixtures which have been optically whitened. The product can be used both in exhaust and padding techniques.

TAA for finishing (milling, softening, stiffening, cleaning, antistatics) Highly efficient softening agent for final, not entirely permanent treatment of textiles. It improves the touch, fly-away and ready-made processing of textiles and provides for easy 'wash-and-wear' maintenance. It is designed for softening of both plant and synthetic fibres and their mixtures which have been optically whitened. The product can be used both in exhaust and padding techniques.

Syntamin SKI strongly nonionic silicone microemulsion Highly efficient non-silicone microemulsion with addition of fatty acids condensate and preservatives Highly efficient softening agent for final, not entirely permanent treatment of textiles. It enhances the touch, ready-made textile processing and provides for easy 'wash-and-wear' maintenance. It is designed for softening of plant and synthetic fibres and their mixtures which have been optically whitened. The product can be used both in exhaust and padding techniques as well as with coloured materials.
**TAA others**  
(Flocculants, preparative, oiling and lubricating)

- **Arexol ANT**  
  - Alkylammonium salt of alkyloxyphosphate  
  - Antistatic agent in the process of spinning of wool and synthetic materials.

- **Arexol UNI**  
  - Linear fatty acid derivative  
  - Preparative, oiling, lubricating and conditioning agent for the manufacture and textile processing of yarn made out of wool and synthetic materials.

- **Arexol UNI-BK**  
  - Nonionic blend of fatty acids derivatives and highly efficient antistatics  
  - Multipurpose preparative, oiling, lubricating and antistatic agent used for the manufacture of synthetic fibres and softening agent with superior antistatic effects on the processing of wool, synthetic fibres and their mixtures. The product does not depress the whiteness of artificially coloured materials.

- **Arexol UNI-S**  
  - Nonionic blend of fatty acids derivatives and highly efficient antistatics  
  - Multipurpose preparative, oiling, lubricating and antistatic agent used for the manufacture of synthetic fibres and softening agent with superior antistatic effects on the processing of wool, synthetic fibres and their mixtures.

- **Arexol V5**  
  - Mixed of highly refined oil and nonionic emulsifier  
  - It is used for oiling of wool and its mixtures with synthetic fibres.

- **Arexol VSM**  
  - Nonionic vegetable oil derivative  
  - Preparative, oiling, lubricating and conditioning agent for the manufacture and textile processing of yarns made out of wool, cellulose materials and their mixtures. The product is easily biodegradable in the waster water.

- **Smurf-UV**  
  - Strongly anionic aqueous solution of diocetylaminomethylphenyl pre-condensate  
  - The agent used to precipitate anionic dyes and surfactants in waste waters that can be separated.

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