

## TLP INTERNATIONAL TEXTILE AUXILIARIES

### SCOURING / WETTING

	Ionic Character	pH	Appearance	General properties and uses
OPTICLEAR NI	N	7-8	Liquid	Non foaming wetting agent. Acid and alkali stable. Ethoxylated/propoxylated surfactant
OPTICLEAR NF	N	7-8	Liquid	Scouring agent with good wetting properties. Non foaming. Alkali stable upto pH 10. Ethoxylated/propoxylated surfactant.
OPTICLEAR OF	N	7-8	Liquid	Low-foaming –above 70°C - scouring agent. Excellent removal of fats, oils, graphite, pitch etc.. Ethoxylated fatty alcohol
OPTICLEAR MER	A	7-9	Liquid	Wetting agent for causticizing and mercerizing. Excellent wetting and levelling. Alkali stable upto 30°Bé. Sodiumoctyl sulphate

### DESIZING

	Ionic Character	pH	Appearance	General properties and uses
AMYLASE TLP 40	N	6-7	Liquid	Concentrated bacterial amylase for enzymatic desizing. Application temperature: 60 – 75°C
AMYLASE TLP MULTI	N	6-7	Liquid	Alkali stable concentrated bacterial amylase for enzymatic desizing. Application temperatures: 30 – 85°C, pH 4 – 9,5
AMYLASE TLP 40 HT	N	6-7	Liquid	Concentrated bacterial amylase for enzymatic desizing. Application temperatures: upto 105°C. Continuous desizing at the boil, resp. pad-steam

## BLEACHING

	Ionic Character	pH	Appearance	General properties and uses
STABILIZER HPO	A	10-12	Powder	For discontinuous hydrogenperoxide bleaching of cellulosics and their blends. Preparation of sequestrants, surfactants, alkali and silicates.
STABILIZER GT	N	7-9	Liquid	For discontinuous hydrogenperoxide bleaching of cellulosics and their blends. Preparation of surfactants and natural minerals. Excellent stabilizing properties, outstanding whiteness with very good DP-values. The product has good cleaning power, is low foaming and prevents running creases.
OXYCLEAR L	N	5-8	Liquid	Catalase. For enzymatic elimination of hydrogenperoxide-residues. Saves water and is environment-friendly.

## BIO-POLISHING

	Ionic Character	pH	Appearance	General properties and uses
SOFTY-ZYM CO	N	5	Liquid	Cellulase for bio-polishing of cellulosics – knits and wovens – with no or only limited shade change. Application before or after the dyeing process
SOFTY-ZYM T	N	5	Liquid	Cellulase for bio-polishing of cellulosics, Tencel - knits and wovens. Application before or after the dyeing process

## SEQUESTERING

	Ionic Character	pH	Appearance	General properties and uses
SEQUESTROL F	A	7	Liquid	Sequestering and dispersing agent for pre-treatment and dyeing. Very strong calcium and iron binding capacity. Excellent dispersing agent. Polyacrylate/phosphonate.
SEQUESTROL SN	A	8	Liquid	Sequestering and dispersing agent for reactive- or direct dyeings. The complexing capacity is moderate and does not interfere with metals present in aforementioned dyes. Polyacrylate.
SEQUESTROL F-SPECIAL	A	7	Liquid	Sequestering agent for most heavy-metals, in particular iron. Depending on pH extremely high iron-binding capacity. For all pre-treatment and bleaching processes Sodium glucoheptonate.
OPTICLEAR R	N	7	Liquid	Sequestering- and soaping agent for reactive dyeings and –prints. Heterocyclic compound.

## FIXING

	Ionic Character	pH	Appearance	General properties and uses
OPTIFIX DR	C	5 – 7	Liquid	Post-treatment of direct- and reactive dyeings and –prints. Formaldehyde-free. Excellent water-, washing- and perspiration fastness. Minimal shade change and light fastness. Also excellent for pre-cationizing in case of sulphur-, direct- and pigment dyes.
OPTIFIX PA	A	7 – 8	Liquid	Fixing agent for improving the wet fastness of dyeings and prints on Polyamide with acid and 1:2 metal complex dyestuffs. Arylsulphonic acid condensate

## DEAERATING AGENTS/DEFOAMERS

	Ionic Character	pH	Appearance	General properties and uses
FOAMEX SI	N	5 – 7	Liquid	HT-resistant silicone defoamer. 10% act.sol.
FOAMEX SI CONC	N	5 – 7	Liquid/ Paste	HT-resistant silicone defoamer 70% act.sol.
FOAMEX DF	N	4 – 6	Liquid	Deaerating and defoaming agent for all wet textile processes. HT-Resistant

## LEVELLING

	Ionic Character	pH	Appearance	General properties and uses
TLP LEVEL DS	A	7	Liquid	Synergistic compound of ethoxylated materials for single-bath scouring, levelling and dyeing of cotton knits with direct-, reactive- and vat-dyes on jet or winch.
TLP LEVEL RD	N	7	Liquid	Universal levelling agent for reactive- and direct dyeings of cellulosics in all discontinuous dyeing processes.
TLP LEVEL PC	N	5 – 7	Liquid	Universal levelling agent for dyeing polyester and polyester blends with disperse-dyes. Blend of polyglycolethers.
TLP LEVEL CA	A	4 – 7	Liquid	Carrier for dyeing polyester and polyester blends. Blend of polyglycolether and alkylarylsulphonates.
TLP LEVEL PA	N/A	8 – 10	Liquid	Levelling agent for dyeing polyamide with acid and 1:2 metal complex dyes. Levels out barrines. Blend of ethoxylated fatty amines and polyglycol ethers
TLP LEVEL MACR	C	7 – 9	Liquid	Migration agent for dyeing acrylics and cationic dyeable polyester fibres. Excellent levelling properties. Does not block dye-uptake when dyeing.
TLP LEVEL RACR	C	7 – 8	Liquid	Retarder for dyeing acrylics and acrylic blends with cationic dyes.

## BUFFERING

	Ionic Character	pH	Appearance	General properties and uses
BUFFER PB	A	4 – 6	Liquid	Buffering agent with dispersing and sequestering properties for dyeing polyester and polyester/cellulosics. Strong buffering at pH 4.0 – 6.0.

## CREASEMARK INHIBITORS

	Ionic Character	pH	Appearance	General properties and uses
CREASEX JG	N/A	4 – 6	Liquid	Universal creasemark inhibitor and lubricant for all fibres. Decreases fibre/fibre and fibre/metal friction. Product is non-foaming and therefore excellent for high-speed equipment. Excellent temperature and electrolyte stability. Acrylic polymer
CREASEX MP	N	4 – 6	Liquid	Lubrication of all types of fibres with levelling and dispersing properties. Low-foaming, soft and smooth handle. High salt and alkali stability. HT-resistant. For all discontinuous dyeing and washing machines. Synergistic blend of fatty alcohol ethoxylates, fatty acid ester and organic compound.

## SOAPING

	Ionic Character	pH	Appearance	General properties and uses
OPTICLEAR R	A	5 – 7	Liquid	Sequestering and soaping agent for reactive dyeings and prints. Removes unfixed dyestuff.

## DISPERSING

	Ionic Character	pH	Appearance	General properties and uses
DISPERGATOR NS	A	5 – 7	Powder	Universal dispersing, stabilizing and levelling properties for all dyeing processes. Naphthalene-sulfonate.
DISPERGATOR NSL	A	5 – 7	Liquid	Universal dispersing, stabilizing and levelling properties for all dyeing processes. Naphthalene-sulfonate
DISPERGATOR NTC	N	7	Powder	Dispersing agent with good cleaning and levelling properties. Application in wet processing of various textiles. Highly ethoxylated fatty alcohol.
DISPERGATOR NTQ	N	7	Liquid	Dispersing agent with good cleaning and levelling properties. Application in wet processing of various textiles. Ethoxylated fatty alcohol.

## STRIPPING/MACHINE CLEANING

	Ionic Character	pH	Appearance	General properties and uses
<b>MACHINECLEANER</b> MC-1 & MC 2	N/A	6 - 7	Liquid	Depolymerisationcatalyst with special dispersants. MC-1 can be used to strip silicone finishes from textiles. MC-2 can eliminate oligomers, oils, greases and dyes in dyeing equipment. Combination of both products is possible.

## FINISHING

	Ionic Character	pH	Appearance	General properties and uses
SOFTY-FINISH PE	N	5 – 7	Liquid	Polyethylene emulsion for application in resin-finishing formulas, To decrease the loss of tear strength.
SOFTY FINISH NI	N	5 – 7	Liquid	Universal softener for cellulosic fibres and blends with synthetics. Can be combined with optical brighteners. No yellowing of whites. Fatty-acid.
SOFTY-FINISH NI-100	N	5 – 7	Pearls	Concentrated version of SOFTY-FINISH NI. 100% act.sol., Easy dilutable in water of 60°C.
SOFTY-FINISH OK NEW	C	5 – 7	Liquid	Cationic softener for all fibres. Good anti-static properties. Fatty-acid.
SOFTY-FINISH C-100	C	5 – 7	Pearls	Concentrated softener for all fibres. 100% act.sol Easy dilutable in <b>cold</b> water.
SOFTY-FINISH ME CONC	N	5 – 6	Liquid	Concentrated micro-emulsion of amino silicone.
SOFTY-FINISH MA	N/C	5 – 6	Liquid	Concentrated macro-emulsion of amino silicone.
SOFTY-FINISH ME SPECIAL	N	5 – 7	Liquid	Jet-stable silicone-softener. Silicone-quat. Good softness and hydrophilicity.
SOFTY-FINISH SIL	N/C	5 – 6	Liquid	Blend of fatty-amines and silicone. Excellent softener and brushing / raising aid. For cellulose and blends.
RESIN CN	N	7	Liquid	Concentrated low-formaldehyde resin. For easy-care finishing of cellulose and blends with synthetics. DHDMEU.
PHOBOGUARD WRD	N/C	4 – 6	Liquid	Waterrepellent agent for cellulose and blends. Excellent durability to washing. Outstanding as extender for fluoro carbon-finishes. Crosslinking fatty-modified polymer.
PHOBOGUARD WOB	C	4 – 6	Liquid	Fluoro carbon agent for cellulose and blends. Excellent water and oil repellancy.

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