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Pretreatment

1. Sequestering agents, dispersing agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
acid demineralization, bleaching	MARLA DMZ-SH	excellent sequestering agent for heavy metals on cotton fibres, especially in acidic media, outstanding stabilizing effect in peroxide bleaching	organic phosphorus compound, carboxylic acid compound	clear, yellowish liquid	anionic
acid demineralization, bleaching	MARLA DMZ	highly effective complexing agent of versatile application during all pretreatment processes, excellent sequestering properties, stabilizing effect in peroxide bleaching	organic phosphorus and carboxylic acid compound	clear, yellowish liquid	anionic
desizing, removal of lubricants, bleaching	MARLA DMZ-E	sequestering and dispersing properties, supports detergency of surfactants, applicable in desizing process	organic phosphorus compound, polyacrylate	clear, yellow liquid	anionic
alkaline scouring, kier-boiling, bleaching	MARLA BC	excellent binding of calcium and magnesium ions, supports the deterging effect of surfactants, prevents silicate deposits on machinery parts	organic phosphorus compound, polyacrylate	clear, yellowish-brown liquid	anionic
alkaline scouring, dispersing agents	MARLA AD-Z	dispersing of insoluble substances, prevents silicate deposits, high soil suspending power, supports the detergency effects of surfactants	organic phosphorus compound, polyacrylate, polyphosphates	clear, yellow liquid	anionic
desizing, removal of lubricants, bleaching, kier boiling	MARLA AD-M	prevents precipitations caused by hard water, dispersing of insoluble substances, high soil suspending power	polyacrylate compound	clear, yellow liquid	anionic

2. Detergents, Scouring, and Wetting Agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
universal wetting and scouring agent	MARLA WT	good dispersing and rewetting properties	fatty alcohol ethoxylates and alkyl carboxylate	yellowish liquid	anionic
low-foaming wetting agent for cellulosic, wool and synthetic fibres	MARLA WT-AL	suitable for modern dosing systems and maximum application technique, compatible with enzymes, excellent rinsibility from the fabric	fatty alcohol ethoxylates, alkyl carboxylates	clear, colourless liquid	anionic
universal single pack scouring and peroxide stabilizer	MARLA WT-KOM	highly concentrated, suitable for modern dosing systems. Excellent cleaning and whiteness	fatty alcohol amines and inorganic salts	clear, yellowish	anionic
rapid wetting agent and deaerator for pretreatment of cellulose fibres, special for package and beam systems	MARLA WT-RPD-K	rapid wetting agent with excellent washing and dispersing properties, excellent rinsibility from the fabric	succinic acid esters	clear, yellowish liquid	anionic
special detergent and quick wetting agent with low-foaming properties	MARLA WT-LF	highly concentrated, low-foam, very good detergency and oil removing of lubricants	fatty alcohol ethoxylates, fatty acid esters	clear viscous liquid	nonionic
special detergent and wetting agent with low-foaming properties	MARLA WT-DBA	low-foam, very good detergency and oil removing of lubricants	fatty alcohol ethoxylates, fatty acid esters	clear yellowish liquid	nonionic
special wetting and detergent for removal oils	MARLA WT-RN	strong detergent with minimum foaming property, Highly concentrated suitable for jet systems	fatty alcohol ethoxylates, fatty acid esters, carboxylates	clear, yellowish liquid	nonionic
detergent and wetting agent for pretreatment of cellulosic fibres and blends, applicable in jet dyeing machines	MARLA WT-JET	jet-suitable low-foaming wetting agent with good detergency and soil suspending power	fatty alcohol ethoxylates	clear, colourless liquid	nonionic
special detergent for the removal of oily lubricants homogenous, in particular silicone oils from elastane containing goods	MARLA WT-F	spontaneous emulsifying and dispersing of silicone oils, very good emulsifying of lubricants, displays maximum emulsifying effect at high temperatures	fatty acid ethoxylate and alkylsulfonate, fatty acid salt	clear, colourless liquid	anionic
detergent and wetting agent for pretreatment of cellulosic fibres and blends, applicable in jet dyeing machines	MARLA WT-NOF	jet-suitable non-foaming wetting agent with good detergency and soil suspending power	fatty alcohol ethoxylates, fatty acid esters	clear, colourless liquid	nonionic
detergent and wetting agent for pretreatment of cellulosic fibres and blends, applicable in jet dyeing machines	MARLA WT-YP	jet-suitable non-foaming wetting agent with good detergency and soil suspending power	fatty alcohol ethoxylates, fatty acid esters	clear, colourless liquid	nonionic

3. Bleaching agents

3.1 Stabilisers

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
single pack hydrogen peroxide bleaching auxiliary	MARLACOLOR	excellent whiteness and cleaning action, especially developed for viscose fibers. Minimum damage, maximum whiteness. Strong Bleaching performance at 60°C – 70 °C	surface active agents and inorganic oxidizing agents	white powder	anionic
single pack hydrogen peroxide bleaching auxiliary	MARLABLEACH	excellent whiteness and cleaning actions, especially developed for viscose fibers. Minimum damage Bleaching performance at 80-90°C	surface active agents, dispersing agents and inorganic agents	white powder	anionic
universal stabilizer for silicate-free peroxide bleaching	MARLA PS	stabilizing effect in peroxide bleaching, sequestering and dispersing properties, prevents silicate deposits on machinery parts	combination of polyfunctional, organic acids	clear, light yellow liquid	anionic
excellent stabilizer and dispersing agents	MARLA PS-K	excellent stabilizing effect on continuous systems, reduction of catalytic damages on the textile goods during hydrogen peroxide bleaching	organic phosphorous and carboxylic acid compound	clear brown liquid	anionic
excellent stabilizer for JEMCO systems	MARLA PS-CO	excellent stabilizing effect on JEMCO systems. Minimum fiber damage, maximum and stable whiteness	combination of polyfunctional organic acids	clear brown liquid	anionic
cold pad-batch bleaching	MARLA PS-D	stabilizing effect on cold-pad batch processes. Eliminating high iron content of process water or fibres	combination of polyfunctional organic acids, carboxylic acid compound	clear yellowish-brown liquid	anionic

3.2 Peroxide Killers

residual peroxide elimination	MARLA PX-KILL	liquid doseable formulation	inorganic salt	clear liquid	-
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4. Miscellaneous

4.1 Mercerising agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
wetting agent for mercerizing and causticising processes	MARLA WT-MI	excellent wetting power, rapid and even penetration of the textile with caustic soda liquor	alkyl sulfates	yellow-brownish liquid	anionic
wetting agent for mercerizing and causticising processes	MARLA WT-MRFE	rapid wetting and even penetration, iron binding power prevents catalytic damage .	alkyl sulfates and carboxylic acid	yellow liquid	anionic

4.2 Stain Removers

solvent free oil removing agent	MARLA WL	very good detergency and oil removing of lubricants and silicone oils	combination of non-ionic surfactants and dispersing agents	clear, yellowish viscous liquid	nonionic
stain remover, detergent	MARLA WS-TU	special washing and emulsifying properties, soil suspending power	fatty alcohol ethoxylates, carboxylic acid ester	white emulsion	nonionic
concentrated detergent and stain remover for textiles badly soiled with fat and grease	MARLA WS-T	special washing and emulsifying properties, applicable in long liquor ratios and also suitable for direct application to the stained areas	fatty alcohol ethoxylate, hydrocarbons	clear, colorless liquid	anionic
solvent-free oil removing agent, detergent and stain remover for textiles badly soiled with fat and grease	MARLA WT-F	special washing and emulsifying properties, applicable in long liquor ratios and also suitable for direct application to the stained areas	fatty alcohol ethoxylates, carboxylic acid ester	clear, yellowish liquid	anionic
oil removing agent, detergent and stain remover for textiles badly soiled with fat and grease	MARLA WS-OZ	special washing and emulsifying properties, applicable in long liquor ratios and also suitable for direct application to the stained areas	fatty alcohol ethoxylate, hydrocarbons	white emulsion	anionic

Dyeing and Printing

1. Dispersing and Sequestering agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
polyester, vat, naphthol dyeing, stone-wash process, exhaust, padding and thermosol dyeing	MARLA DF	no influence on shade and depth of shade, also effective in the HT range, excellent dispersing properties	naphtalene sulfonate and alkyaryl sulphonate	brown liquid	anionic
polyester, vat, naphthol dyeing, stone-wash process, exhaust, padding and thermosol dyeing	MARLA DF-EDR	no influence on shade and depth of shade, also effective in the HT range, excellent dispersing properties	alkyaryl sulphonate	yellowish-brown liquid	anionic
complexing agent and protective colloid	IYONTEKS 20/1	dispersing effect, special for reactive dyeing, solving problems caused by salt impurities	special blend of sequestering and dispersing agents	yellowish clear liquid	anionic
anionic dyeing systems	MARLA RFT	"right first time" agent for all anionic dyeing system. Excellent dispersing effect. No influence on depth of shade. Special sequestering effect.	special blend	yellowish clear liquid	anionic
complexing agent and protective colloid for all dyeing, exhaust and continuous processes	MARLAKS AD-Z	dispersing effect, alkali and salt stable, foam-free, no demetallizing effect e.g. on copper containing dyestuffs, no influence on light fastness, shade and dyestuff yield	polyacrylate, organic phosphorous compound and special dispersing agents	yellowish clear liquid	anionic
complexing agent and protective colloid	MARLA AD	dispersing effect, special for reactive dyeing	special blend of sequestering and dispersing agents	yellowish clear liquid	anionic
complexing agent and protective colloid	MARLA AD-M	dispersing and sequestering effect	polyacrylate and dispersing agents	yellowish clear liquid	anionic

2. pH regulating agents / buffering agents / alkali and acid donors

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
acid donor for the dyeing of polyamide exhaust process	MARLA ASD	slowly reduces pH up to a final pH of about 4.5 – 5.0 which results only at dyeing temperature	organic esters	clear, colourless up to yellowish liquid	nonionic
pH adjustment of polyester dyeing baths in the weakly acid range exhaust process	MARLA PBF	buffering effect, good ferric and calcium ion sequestering effect, dispersing effect	combination of organic acids and condensation products	brown liquid	anionic
alkali donor for reactive dyeing	MARLA ALKALI	buffering effect, improves the consistency of the fixation pH	combination of buffering and dispersing agents	clear liquid	anionic

3. Wetting agents / deaerators /padding auxiliaries

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
deaerating agent	MARLA DEA-B	wetting, defoaming, high temperature stable	combination of ethoxylates with defoaming components	white liquid	anionic
rapid wetting and deaerating agent cold pad-batch and exhaust dyeing	MARLA DEA	foamless, insignificant influence on dyestuff yield, very well wetting effect in the alkaline range	phosphoric acid esters	clear, colourless liquid	anionic
wetting agent for continuous dyeing cold pad-batch, thermosol, pad-steam dyeing process	MARLA DEA-PAD	foamless, insignificant influence on dyestuff yield, excellent wetting effect	phosphoric acid esters	clear up to slightly turbid liquid	anionic
wetting agent for continuous dyeing cold pad-batch, thermosol, pad-steam dyeing process	MARLA DEA-NF	foamless, insignificant influence on dyestuff yield, excellent wetting effect in the alkaline range	aliphatic phosphoric acid esters	yellowish liquid	anionic
anti migration agent for pad dyeing on synthetics and cellulosics	MARLA PAD-MA	foamless, stable to higher acid amounts, no influence on shade and dyestuff yield	polyacrylate	colorless, viscous liquid	anionic

4. Levelling agents / dye carriers

4.1. Polyester

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
highly concentrated levelling and dispersing agent	MARLA DF-PES	levelling, dispersing, low foaming, high dyestuff retarding effect during heating-up phase	fatty acid ethoxylate and sulfonated polymers	yellowish-brown, viscous liquid	anionic
excellent levelling agent and dispersing agent	MARLA DF-DEA	deaerating, levelling, migration promoting no influence on fastness	combination of fatty acid ethoxylate and esters	clear, yellowish, viscous liquid	anionic
concentrated levelling agent with diffusion accelerating effect	MARLA DF-CR	levelling, migration promoting already from 100°C on, no influence on fastness	combination of fatty acid ethoxylate and aromatic esters	clear, yellowish - brown, viscous liquid	nonionic
excellent dispersing and levelling agent	MARLA DF-H	dispersing and levelling agent, migration promoting	fatty acid ethoxylate	clear, yellowish liquid	anionic
concentrated levelling agent with diffusion accelerating effect	MARLA DF-CTF	ecological, levelling, migration promoting above 100 C on, no influence on fastness	combination of fatty acid ethoxylate and aromatic esters	yellowish-brown, viscous liquid	anionic
concentrated carrier and releveling agent	MARLA DF-CS	levelling, migration promoting above 100° C on, no influence on fastness	combination of fatty acid ethoxylate and aromatic esters	yellowish-brown, viscous liquid	nonionic
concentrated levelling agent with diffusion accelerating effect	MARLA DF-HTF	levelling, migration promoting already from 100°C on, no influence on fastness, removes oligomers	combination of fatty acid ethoxylate and aromatic esters	clear, yellowish viscous liquid	nonionic

4.2. Polyamide

standard levelling agent for the dyeing of polyamide with acid, 1:2 metal complex and direct dyestuffs discontinuous and continuous processes	MARLA DF-PA	reducing of absorption rate during heating-up phase, levels out affinity differences on the fibre, reducing of bairiness, good migrating, wetting and dispersing effects	combination of alkyl amine ethoxylates	clear, yellowish-brown liquid	nonionic
universal levelling agent for the dyeing with acid and 1:2 metal complex dyestuffs, also for differential dyeing	MARLA WO-MS	good levelling effect, improves the dyestuff migration, good wetting and dispersing effects, foamless	alkyl amine ethoxylates	clear, yellowish-brown liquid	nonionic
levelling agent for the dyeing of polyamide with acid dyestuffs below boiling temperature, excellent coverage of bairiness	MARLA PA-S	lowering the absorption rate even in dyeing of polyamide fibres with high dyestuff affinity, excellently covers material irregularities, powerful migration promoting properties, good wetting effect	combination of alkyl amine ethoxylates and alkylaryl sulphonate	clear, yellow liquid	anionic
special levelling agent for the continuous dyeing of polyamide tapes	MARLA DF-PAD	affinity for the fibre, levels out affinity differences on the fibre, excellent levelling and wetting properties, low-foaming, highly concentrated	combination of alkylaryl sulphonates	clear, yellowish liquid	anionic

4.3. Wool

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
universal standard product for the dyeing with acid, 1:2 and 1:1 metal complex dyestuffs	MARLA WO-MS	reduces the absorption rate, migration promoting, good wetting and dispersing properties, no selective influence on dyestuff	combination of alkylamine ethoxylates	clear, yellowish-brown liquid	nonionic
universal standard product for the dyeing with acid, 1:2 and 1:1 metal complex dyestuffs	WO-MS 200	reduces the absorption rate, migration promoting, good wetting and dispersing properties, no selective influence on dyestuff	combination of alkylamine ethoxylates	clear, yellowish-brown liquid	nonionic
dispersing and antiprecipitation agent for the one-bath dyeing of wool / polyacrylic blends	MARLA WO-DS	dispersing effect, precipitation inhibiting, strongly emulsifying, good wetting effect in acid dyeing baths	fatty alcohol ethoxylate	clear, yellowish liquid	nonionic
dispersing and anti precipitation agent for dyeing of wool / polyacrylic blends	MARLA IW-50	dispersing effect, precipitation inhibiting, strongly emulsifying, good wetting effect in acid dyeing baths	fatty alcohol ethoxylate	yellowish liquid	nonionic

4.4. Acrylics

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
levelling agent for the dyeing of polyacrylics with cationic dyestuffs	Marla PAN-50	retarder for the dyeing of polyacrylics with cationic dyestuffs	quaternary ammonium compound	yellowish liquid	cationic
levelling agent for the dyeing of polyacrylics with cationic dyestuffs	Marla PAN-40	retarder agent for the dyeing of polyacrylics with cationic dyestuffs	quaternary ammonium compound	yellowish liquid	cationic
levelling agent for the dyeing of polyacrylics with cationic dyestuffs	Marla IW	levelling agent for the dyeing of polyacrylics with cationic dyestuffs	aliphatic ethoxylate	yellowish liquid	nonionic

4.5. Cotton Viscose

antcrease agent with excellent iequalizing and idye compatibilising properties for 100% cotton and poly/cotton blends,	Marla LUB-ACA	promotes an even ` strike with on-tone uptake and build-up of dyestuff without affecting dyestuff yields, prevents crease marks, excellent emulsifier for oils	carboxylic salt of fatty alcohol ethoxylate	yellowish brown liquid	anionic
excellent "equalizing" and "dye compatibilising" properties for 100% cotton and poly/cotton blends	MARLA DF-EDR	promotes an even strike with on-tone uptake and build-up of dyestuff without affecting dyestuff yields	carboxylic salt of fatty alcohol ethoxylate	yellowish-brown liquid	anionic

5. Antcrease agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
for use in pretreatment and dyeing material cellulose	MARLA KT	foamless, shear stable, no retarding effect, high salt stability, resistant to acids and alkalis	polyacrylate	turbid, colourless liquid	nonionic
for use in pretreatment and dyeing material: cotton, polyester and wool	MARLA LUB-ACA	smoothing effect, foamless, levelling and dispersing properties, compatible with dye carriers	modified alkyl phosphate and fatty acid ethoxylate	yellowish-brown liquid	anionic

6. Aftertreatment agents

6.1. Polyester

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
oligomer remover, machinery cleaner use in yarn dyeing, flock and top	MARLA MYS-RD	dispersing and emulsifying, prevents deposits in packages and on machinery walls	combination of inorganic salts and polyglycol ethers	yellowish liquid	cationic
acid reduction clearing agent for polyester dyeing	MARLACLEAR PRA	environmentally friendly, highly efficient reducing agent, saves two wash cycles	sulfinic acid derivative	clear liquid	anionic
fastness improver for PES reduction clearing bath	MARLA HS-O	excellent improvement of wet fastnesses, fastness to rubbing and to organic solvents	polycondensation of sulphonic acids and fatty alcohol ethoxylates	slightly turbid, yellowish liquid	anionic

6.2. Polyamide

improvement of wet fastness of dyeing and printings on polyamide with acid dyestuffs, reserving agent for PA/wool and PA/cellulosic blends,	MARLA FIX-ZNR	excellent wet fastnesses, universal use, jet stable, no influence on light fastness and shade, for highest quality requirements	polycondensation product of aromatic sulphonic acids	clear, reddish-brown liquid	anionic
improvement of wet fastness of dyeing and printings on polyamide fibers	MARLA HS-PA	high effective washing performance , prevents stainings	preparation of fatty alcohol ethoxylates	yellowish-brown liquid	cationic

6.3 Coton Viscose

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
improvement of wet fastness of reactive dyeings and printings	MARLA FIX-KS	formaldehyde-free, concentrated product, good results in fastness to washing 95°C, no influence on light fastness and handle	quatarnary ammonium compound	clear, yellowish liquid	cationic
improvement of wet fastness of direct dyeings padding or exhaust process	MARLA FIX-K	liquid, no influence on handle	formaldehyde condensation product	colourless liquid	cationic
aftersoaping agent for fastness improvement of reactive dyeings and printings	MARLA HS	strongly dispersing, promotes the removal of non-fixed dyestuff, prevents re-deposition, foamless	polycondensation product of a special polymer	yellowish, viscous liquid	anionic
universal after soaping agent	MARLA HS-C	High rinsing and re-deposition effect	high molecular polymer with strong dispersing components	yellowish-brown liquid	anionic
improvement of wet fastness of reactive dyeings and printings	MARLA FIX-KS conc.	concentrated formaldehyde-free, concentrated product, good results in fastness to washing 95°C, no influence on light fastness and handle	quatarnary ammonium compound	clear, yellowish liquid	cationic
concentrated soaping agent for fastness improvement of reactive dyeings	MARLA HS-CN	very good dispersing and sequestering properties, dilutable 3 to 5 times, saves energy, transport and packing costs	polycondensation product of a special polymer	yellowish -brown liquid	anionic

7. Miscellaneous

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
garment dyeing	MARLA ZIP	protects garment from staining from the metallic parts of garment	aliphatic ester	clear, yellowish liquid	anionic
exhaust pigment dyeing	MARLA 9414	liquid, no influence on	polymer	white liquid	cationic
garment dyeing	MARLA ZIP	protects garment from staining from the metallic parts of garment	aliphatic ester	clear, yellowish liquid	anionic
exhaust pigment dyeing	MARLA 9414	liquid, no influence on handle , excellent levelling and uniform results	polymer	white	cationic
anti-back staining agent for denim washing	MARLA DAS	reducing indigo staining during denim garment wet processing	polymer resin	white ñ yellowish	anionic
sizing agent for warp threads	MARLA SIZE-CO	to be used mixed with starch, especially appropriate to sizing of denim warps	polyacrylate	clear , yellowish liquid	anionic
defoamer and antifoam in all wet processing process	MARLA KKS-150	jet and high temperature stable defoamer, effective in high pH range (3-12), no spot problem	modified silicone emulsion	white liquid	anionic
defoamer and antifoam in all wet processing process	Marla KKS-30	effective and concentrated defoamer	silicone emulsion	white liquid	anionic
defoamer and antifoam in all wet processing process	Marla KKY-70	effective and concentrated defoamer	oil based emulsion	white liquid	nonionic

Finishing

1. Product description

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
all kinds of fibres exhaust process	MARLA SOFY-KY flakes	universal use, jet stable and less yellowing	fatty acid condensation product	yellowish flakes	cationic
all kinds of fibres white goods, additive for high grade finishing, pad application	MARLA SOFT-KYT flakes	free from yellowing, jet stable, applicable in combination with optical brighteners	fatty acid condensation product	white flakes	pseudo-cationic
all kinds of fibres "softening" in finishing baths pad and exhaust application	MARLA SOFT-NY flakes	absolutely free from yellowing	fatty acid ester	white beige flakes	nonionic
all kinds of fibres additive for high grade finishing pad and exhaust application	MARLA SOFT-SY	permanent to washing, excellent soft touch; imparts elasticity and full handle	amino modified silicone microemulsion	transparent emulsion	nonionic
all kinds of fibres additive for high grade finishing pad and exhaust application	MARLA SOFT-SY-O	permanent to washing, excellent soft touch; imparts elasticity and smoothness	amino modified silicone microemulsion	transparent emulsion	nonionic
concentrated amino silicone softener	MARLA SOFT-SYJ	permanent to washing, excellent soft touch; imparts elasticity and smoothness	amino modified silicone microemulsion	transparent emulsion	nonionic
all kinds of fibres additive for high grade finishing improves sewability	MARLA SOFT-PE	softener and additive for high-grade finishing, it improves sewability and tear strength in high-grade finishing	polyethylene wax emulsion	yellowish resp. white dispersion	nonionic
all kinds of fibres knitwear, raising, white goods, pad application	MARLA SOFT-HIDRO	hydrophilic softener for terrycloth, sportswear etc.; also yarn application	silicone emulsion	yellowish dispersion	nonionic
all kinds of fibres knitwear, raising, white goods, pad application	MARLA SOFT-SR	hydrophilic softener for terrycloth, sportswear etc.; also yarn application	modified silicone ether emulsion	yellowish dispersion	nonionic
all kinds of fabrics silicone softener, with elastic effect	MARLA SOFT-EAR	imparts high smoothness, protects elasticity of elastane combination fabrics	fatty acid condensation product and specially selected non-hydrophobic silicone	white emulsion	nonionic
all kinds of fibres knitwear, raising exhaust process	MARLA SOFT-PES	hydrophilic softener for terrycloth, sportswear etc.; also yarn application	modified silicone ether	clear dispersion	nonionic
all kinds of fibres knitwear, raising exhaust process	MARLA SOFT-JET	hydrophilic softener for terrycloth, sportswear etc.; also yarn application	modified silicone ether	clear dispersion	cationic
all kinds of fibres knitwear, raising exhaust process	MARLA SOFT-JET conc.	hydrophilic softener for terrycloth, sportswear etc.; also yarn application	modified silicone ether	clear dispersion	cationic
kinds of fibres	MARLA SOFT-KS-JET	hydrophilic and antistatic softener , jet stable, low yellowing	silicone and wax emulsion	white emulsion	pseudo-cationic
all kinds of fibres, OE-yarn padding and exhaust	MARLA SOFT-KS-JET conc	hydrophilic silicone , imparts high smoothness, bulkiness and non yellowing properties	modified silicone ether emulsion	clear emulsion	pseudo-cationic
special lubricating and softening agent for fibres	MARLA SOFT-BVA	excellent lubricating and softening agent for yarn and fabric. Improves sewability. Non-yellowing Suitable for exhausting	special blends of wax emulsions and lubricating compounds	white emulsion	pseudo-cationic
natural fibres	MARLA SOFT-HES	hydrophilic and antistatic softener for terrycloth, sportswear etc.; also yarn application, jet stable	fatty acid condensation, polyethylene and silicone emulsion	white emulsion, liquid	cationic
all kinds of fibres, OE-yarn exhaust process	MARLA SOFT-ECO	imparts high smoothness	fatty acid condensation product and silicone	white emulsion	cationic
all kinds of fibres knitwear, raising, white goods, woven fabric , pad application	MARLA SOFT-MC	high surface smoothness, very nice, voluminous soft handle	macro silicone emulsion	white emulsion	nonionic
all kinds of fibres knitwear, raising, white goods, woven fabric , pad application	MARLA SOFT-MC CONC	high surface smoothness, very nice, voluminous soft handle	macro silicone emulsion	white emulsion	nonionic
all kinds of fibres additive for high grade finishing improves sewability	MARLA SOFT-PRF	yarn knittability , improves sewing efficiency , greasing and waxing of the textiles	paraffin wax emulsion	yellowish -white dispersion	nonionic

1. Product description

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
all kinds of fibres additive for high grade finishing improves sewability	MARLA SOFT-PE-N	softener and additive for high-grade finishing, it improves sewability and tear strength in high-grade finishing	polyethylene wax emulsion	yellowish resp. white dispersion	nonionic
all kinds of fibres additive for high grade finishing improves sewability	MARLA SOFT-PE-K	softener and additive for high-grade finishing, it improves sewability and tear strength in high-grade finishing	polyethylene wax emulsion	yellowish resp. white dispersion	weakly cationic
special lubricating and softening agent for fibres	MARLAFIN SA-86	excellent lubricating and softening agent for yarn and fabric, improves sewability, non-yellowing suitable for exhausting	special blends of wax emulsions and lubricating compounds	white emulsion	pseudo-cationic
pigment printed fabrics	MARLA FINISH-PRT	handle and fastness improver for pigment printed fabrics	special blends of wax emulsions and lubricating compounds	white emulsion	nonionic

2. Water- and oil-repellent agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
durable water- and oil-repellent finishing, especially for synthetic fibres and their blends	MARLA FS	free from solvents, no influence on the touch of the goods	fluorocarbon resin	white emulsion	weakly cationic
durable water- and oil-repellent finishing, especially for natural fibres and their blends	MARLA FOB	free from solvents, no influence on the touch of the goods	fluorocarbon resin	white emulsion	weakly cationic

3. Wash-and-Wear finishing

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
cellulose fibres	MARLA PRET-C	cross-linking agent for extremely low formaldehyde wash-and-wear finishing of textiles made from cellulose fibres and mixtures with synthetic fibres	dimethylol dihydroxyethylene urea wity catalyst inside	clear, aqueous liquid	-
cellulose fibres	MARLA PRET-C conc.	cross-linking agent for extremely low formaldehyde wash-and-wear finishing of textiles made from cellulose fibres and mixtures with synthetic fibres	dimethylol dihydroxyethylene urea with catalyst inside	clear, aqueous liquid	-
cellulose fibres	MARLA PRET-C PLUS	cross-linking agent for extremely low formaldehyde wash-and-wear finishing of textiles made from cellulose fibres and mixtures with synthetic fibres	dimethylol dihydroxyethylene urea	clear, aqueous liquid	-

4. Weighting agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
all kinds of fibres	MARLA APRETAN	weighting agent with filling properties, renders hydrophilic	organic hygroscopic agents	clear, colourless liquid	nonionic

5. Antistatic agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
synthetic fibres pad application	MARLA ANT	concentrated antistatic agent especially for synthetics	ester amides	yellowish liquid	anionic
synthetic fibres pad application	MARLA HIDROPES TP	concentrated antistatic agent especially for synthetics	special polymer	yellowish liquid	anionic

5. Antistatic agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
synthetic fibres pad application	MARLA ANT	concentrated antistatic agent especially for synthetics	ester amides	yellowish liquid	anionic
synthetic fibres pad application	MARLA HIDROPES TP	concentrated antistatic agent especially for synthetics	special polymer	yellowish liquid	anionic

6. Products for Sanforizing

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
CO and CO blends	MARLA SOF-T	sanforizing agent with very good softening and smoothing properties for cellulose fibres and their blends with synthetics	ester sulphonate and polyethylene	opalescent, yellowish liquid	anionic

7. pH Regulating agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
neutralizing and buffering of residual alkali in fabrics after alkaline finishing processes, adjustment of pH value on the fabric as required by Öko-Tex Standard 100	MARLA PF-ECO	acid pH buffer, no emission during drying, improves storage stability since there is no alkali yellowing	organic buffer system	clear, colourless liquid	-

Optical Brightening Agents

1.1 Cellulose Optical brightening agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
for optical brightening of cellulose, polyamide, wool and silk. dosage 0,2 ñ 0,5 % owf	MARLA OPTIC CO	high substantivity optical brightener for exhaust processes with bluish hue	stilbene derivative	yellowish powder	anionic
for optical brightening of cellulose, polyamide, wool and silk. dosage 0,2 ñ 0,5 % owf	MARLA OPTIC BYB	high substantivity optical brightener for exhaust processes with less bluish hue	stilbene derivative	yellowish powder	anionic
for optical brightening of cellulose, polyamide, wool and silk. dosage 0,2 – 0,5 % owf	MARLA OPTIC BPU	medium substantivity optical brightener for pad and exhaust processes with medium bluish hue, free of shading dyestuff	stilbene derivative	yellowish powder	anionic

1.2 Polyester Optical brightening agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
for optical brightening of polyester. dosage 0,2 – 0,5 % owf with no shading dyestuff	MARLA OPTIC PE-RN	high temperature stable oba for application in jets 130 c and pad thermasol 180 – 210 c	benzoxazol derivative	liquid	anionic
for optical brightening of polyester. dosage 0,2 – 0,5 % owf	MARLA OPTIC PE-XFR	high to medium temperature stable oba for application in jets 110 - 130 c and lower and also pad thermasol at 170 - 200 c	benzoxazol derivative	liquid	anionic

1.3 Polyamide Optical brightening agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
for optical brightening of polyamide fibres to obtain high whiteness. suitable for exhaust and pad	MARLA OPTIC PA-BL	medium to high substantivity oba with high whiteness for polyamide resistant to low pH dosage by 0,5 – 1 % owf	stilbene derivative	liquid	anionic

1.4 Polyacrylic Optical brightening agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
for optical brightening of polyacrylic fibres to obtain high bluish whiteness. Suitable for exhaust and pad	MARLA OPTIC ACK liq.	suitable to exhaust and pad applications by exhaust application from acid baths or by pad steam dosage by 0,5 – 1,5 % owf	stilbene derivative	yellowish flakes	cationic

Enzyme Preparations

1 Antiperoxide Enzymes

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
peroxide removing after bleaching	MARLA A-PER	excellent peroxide removing. Dyeing of cellulose can be made in the same bath. Fungal catalase based enzyme reduces process steps, water and energy.	modified catalase	clear yellowish brown liquid	-
peroxide removing after bleaching	MARLA A-PER-B	excellent peroxide removing. Dyeing of cellulose can be made in the same bath. Bacterial based enzyme reduces process steps, water and energy.	bacterial base	clear yellowish brown liquid	-
peroxide removing after bleaching	MARLA A-PER %100	excellent peroxide removing. Dyeing of cellulose can be made in the same bath. Fungal catalase based enzyme reduces process steps, water and energy.	modified catalase	clear yellowish brown liquid	-

2. Antipilling Enzymes

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
antipilling application before or after dyeing of cellulose fibers	MARLA A-PILL	excellent antipilling on the surface of fabric with very low damage	cellulose	clear yellowish brown liquid	-
antipilling application before or after dyeing of cellulose fibers	MARLA A-PILL %100	excellent antipilling on the surface of fabric as well as between fibers	cellulose	clear yellowish brown liquid	-
antipilling application before or after dyeing of cellulose fibers	MARLA A-PILL %200	excellent antipilling on the surface of fabric as well as between fibers	cellulose	clear yellowish brown liquid	-

3. Scouring Enzymes

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
to replace high temperature alkali scouring process of cellulosic fabrics to save energy and time	MARLA SCOUR-SC	excellent removal of impurities, particularly pectins at low temperatures from raw cotton	pectinase	clear yellowish brown liquid	-

4. Desizing Enzymes

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
to remove starch sizing materials from fabrics during desizing baths	MARLA DESIZE 120	medium and high temperature enzyme ,works with high efficiency	bacterial amylase	clear yellowish brown liquid	-

5. Stonewash Enzymes

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
during stonewash processes of garments	MARLA STONEWASH	excellent stonewashing effect with low dosage rate	combination of enzyme, buffering and dispersing agents	powder	-