



PROFESSIONAL

TEXTILE AUXILIARIES RESEARCH MANUFACTURING AND TECHNICAL APPLICATIONS



Neno Biotech Co., LTD

Thailand

USA

Hong Kong

www.nbtthai.com

PRODUCT INDEX

PRE-TREATMENT AUXILIARY SERIES

Desizing Agent	P01
Multifunctional Scouring Agent	P01
Sequestering Agent	P02
Detergent & Wetting Agent	P02
Defoamers	P03
Peroxide Stabilizer	P03
Anti Back Staining Agent	P03
Core Alkali Neutraliser	P04
Mercerizing Agent	P04
Oil Removing Agent	P04
Hydrogen Peroxide Killer	P05

DYEING AUXILIARY SERIES

Levelling Agent	P06
Dispersing Agent	P06
Anticrease Lubricants	P07
Washing Off Agent	P07
Dye Fixing Agent	P08
Soda Ash Substitute	P08
OBA	P09
Reduction Clearing Agent	P09

PRINTING AUXILIARY SERIES

Binders	P10
Fixers in Pigment Printing Process	P10
Thickeners	P11
White Paste	P11

WASHING AUXILIARY SERIES

FINISHING AUXILIARY SERIES

Stiffereners	P13
Softeners	P13
Silicone Softeners	P14
Wax Finishing Agent	P14
Antistatic Agent	P15
Water Repellants Agent	P15
Anti Pilling Agent	P15
Enzymatic Bio Polishing Agent	P15
Yarn Lubricants	P16
Lycra Protector	P16
WARP Sizing Agent	P16

FUNCTIONAL AUXILIARY SERIES

SPECIAL AUXILIARY SERIES

BASIC AUXILIARY SERIES



PRE-TREATMENT AUXILIARY SERIES

Desizing Agent

SL NO.	PRODUCT tNAME	PROPERTIES/USES
01.	NENOALFA HP	Amylase based enzymatic desizing agent for cotton. NENOALFA HP is the process of removing the size material from the warp yarns in woven fabrics. Sizing agents are selected on the basis of type of fabric, environmental friendliness, ease of removal, cost considerations, effluent treatment, etc.
02.	NENOCON PD	A highly efficient desizing agent for cotton powder form suitable for oxidative desizing process.

Multifunctional Scouring Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOSCOUR CS-008	Multifunctional scouring agent gives high performance of scouring, dispersing, emulsification, and chelating. used for pretreatment of cellulose fabrics, it is replacement of Sequestering agent, penetrating agent, scouring agent, and hydrogen peroxide stabilizer. It offers a good nonionic power to remove wax, sizing, cottonseed hull, dirty matters from the fabrics, so that to improve the brilliance, smoothness, whiteness, and hand feel.
02.	NENOSCOUR CS-006	Multifunctional scouring agent gives high performance of scouring, dispersing, emulsification, and chelating used for pretreatment of cellulose fabrics, it is replacement of caustic soda, Sequestering, penetrating agent, scouring agent, and hydrogen peroxide stabilizer. It offers a good power to remove wax, sizing, cottonseed hull, dirty matters from the fabrics, so that to improve the brilliance, smoothness, whiteness, and hand feel.

03.	NENOSCOUR-008W	Multifunctional, low foaming wetting & detergent agent with emulsifying and extractive action for mobilising & removing cotton impurities in pretreatment process.
04.	NENOSCOUR-008K	Mixture of sequestering, peroxide stabilizer, wetting agent, detergent with emulsifying pretreatment process.
05.	NENOSCOUR-008Y	Multifunctional active for yarn.

Sequestering Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOQUEST HCN	NENOQUEST HCN removing hardness of water. Sequestering agents combine with calcium and magnesium ions and other heavy metal ions in hard water. Its removing di- and tri-valent cations, e.g., Ca ⁺⁺ , Mg ⁺⁺ Cu ⁺⁺ , Fe ⁺⁺⁺ etc.
02.	NENOQUEST 2UD	Dispersing & chelating agent for all kinds of fabric.
03.	NENOQUEST NP	Excellent chelating agent having neutral pH.
04.	NENOQUEST CON AP	Concentrated sequestering having acidic pH.
05.	NENOQUEST PD	Excellent chelating agent having neutral pH powder.

Detergent & Wetting Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOWET NOF	High power concentrated, low form, non cresylic, alkali stable wetting agent, specially suitable for continuous mercerization.
02.	NENOCON 10W	High power, low foam, APEO free, wetting agent & detergent for both exhasut and continuous method.
03.	NENOCON WK	High power, low foam, APEO free wetting agent.
04.	NENOCON LTB	Low temperature (75°-80°C) wetting cum scouring agent retain fiber/yarn strength also saves peroxide 7 stabilizer.
05.	NENO WASH EXT	Universal powder detergent especially for laundries. It facilitates to bleach the denim shade.

Defoamers

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOFOAM FSB	A spot free silicone based high concentrate defoamer.
02.	NENOFOAM K	Very effective non silicone based defoamer.
03.	NENOFOAM SB	Non-ionic silicone antifoam for use in acid and alkaline conditions.

Peroxide Stabilizer

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOSTAB SOF	Hydrogen Peroxide Stabilizer is a formulation of various non-ionic surfactants, it is nitrogen and phosphorus free, with good compatibility and excellent performance.
02.	NENOSTAB HSN	Stable in hard water, acid or alkali bath, compatible to one-bath treatment with any other anionic, cationic or non-ionic auxiliaries.

Anti Back Staining Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENO ABS-P	Specially designed anti-back staining agent for denim processing, which prevents redeposition and enhances brightness. It is a sustainable solution and hence can be added during the fading step. Powder form.
02.	NENO ABS-40	An additive for anti back staining in de-sizing and garment process.
03.	NENO ABS-L	Cost-effective anti-back staining agent designed for better performance during denim processing, helps in anti Re-deposition and enhances brightness.

Core Alkali Neutraliser

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	BIO ORGAN TTC	Core Alkali Neutraliser. An acid buffer having capability to neutralize Core alkali after mercerization of cotton as well as after weight reduction of polyester fabrics. An Acid buffer and core alkali neutralizer after Mercerization of cotton and all type of fabric.
02.	BIO ORGAN CA	An acid buffer having capability to neutralize core alkali after mercerization of cotton as well as after weight reduction of polyester fabrics.
03.	BIO ORGAN TTC -1	Cost-effective high performance Core Alkali Neutraliser.

Mercerizing Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOOIL MA	Improve properties such as fiber strength, shrink- age resistance, luster, and dye affinity. The caustic actually rearranges the cellulose molecules in the fiber to produce these changes.
02.	NENOOIL MH	NENOOIL MH is a textile finishing treatment for cellulose fabric and yarn, mainly cotton and flax, which improves dye uptake and tear strength, reduces fabric shrinkage, and imparts a silk-like luster.

Oil Removing Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOREMOVE ORA	NENOREMOVE ORA is a self emulsifiable mixture of solvents which helps to remove oil and grease stains from textiles. NENOREMOVE ORA is a oil removing agent for woven and knit fabric.



NENO BIOTECH CO.,LTD.

Thailand: 99/167 M. 4, Supalai Ville Phraesksa, Mueang Samut Prakan District, Samut Prakan, Thailand- 10280.
 Website: www.nbtthai.com Email: info@nbtthai.com Tel: +6621307918 Cell: +66899865602

Hydrogen Peroxide Killer

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOKILL MH	Peroxide killer can Effectively remove the hydrogen which stay in fabrics before dyeing. Totally convert hydrogen to oxygen and water, and prevent clastic broken effect from hydrogen to dye accordingly. And Save water, energy and time, improve capacity.
02.	NENOKILL ENZ	An enzyme based product for killing of residual peroxide. Completely removes peroxide. Ecofriendly in nature.



DYEING AUXILIARY SERIES

Levelling Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOLEVE IPE	Good levelling power.High dispersing capacity.Resistant to acids, alkalis and hard water salts. Prevents the precipitation of cationic and anionic dyestuffs when applied together. Non-ionic.
02.	NENOLEVE C	Excellent levelling effect. Resistant to water hardening substances and acids under usual dyehouse concentrations. Suitable for levelling out faulty dyeings.Supports uniform colour build-up.Free of phthalic acid ester Anionic.
03.	NENOLEVE DG	Low-foaming, excellent levelling effects.Suitable for levelling faulty dyeings.Suitable for automatic metering devices.Supports uniform color build-up.Non-ionic.
04.	NENOLEVE N&W	For wool dyestuffsgood migration capacity.levels out differences in affinity of different wool Qualities.resistant to hard water.promotes dye Penetration.low-foaming. Non-ionic.
05.	NENOLEVE A&C	Versatile levelling agent for dyeing acrylic fibres & fabric with cationic dyes.

Dispersing Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOPAS D-150	Dispersing agent suitable for all dyestuff classes with protective colloid properties. High dispersing capacity. Levelling effect. High resistance to acids, alkalis and hard water salts. GOod temperature resistance.Anionic.
02.	NENOPAS D-165	Oligomer dispersant in the dyeing liquor, for reductive aftertreatment as well as for post-lubricating PES, Spinning lubricant for PES.

Antcrease Lubricants

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOCREASE PP-199	NENOCREASE PP-199 is a special multifunctional anti creasing agent, which efficiently reduces the friction between fibers and fibers-dyeing tank that prevents creases or scratches, due to its smoothing and softening effects. The main ingredient of anti creasing agent is special polymer dispersion. Reduces the abrasion of fabrics to dyeing machine metal and fiber-to-fiber lubrication.
02.	NENOCREASE P-199	Imparts fiber-to-fiber lubrication and anti-cracker marks, prevent unleveling dyeing. Low foam, suitable for rapid dyeing and various kind of fabric dyeing bath. Low C.O.D. easily to treat the dyeing wastewater.
03.	NENOCREASE FFFM	Double concentrated form of polymer type anti crease lubricant for bleeding & dyeing.

Washing Off Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOWASH RSK	Polymeric compound with protective colloidal & sequestering property. They bind the impurities, prevent redeposition and improve fastness and give brilliancy on white goods.
02.	NENOWASH PT	Efficient reactive washing off detergent with special refernces to remove silicate from dyed fabrics and gums from printed fabrics.
03.	NENOWASH RSK	Reactive washing off agent in acid medium, thereby reducing one pricess of neutralization, leading to saving in utility costs and time.
04.	NENOWASH LT	A special soaping agent for reactive dyes for dyeing & printing process highlt effective at 60-70°C.

Dye Fixing Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOFIX HTF	A polyamine based non formaldehyde cationic dyefixing agent for reactive dyes and direct dyes.
02.	NENOFIX PT	A cationic dye-fixing agent, with high molecular weight, for fixing of cellulose dyed/printed with direct and reactive.
03.	NENOFIX CT	Cationic dye fixing agent with no formaldehyde content to improve wash fastness of reactive dyed yarn/fabrics with minimal tone change & effect on light fastness.
04.	NENOFIX WT	Cationic monomer. It is colourless & transparent liquid, high purity, polymer grade, quaternary ammonium salt & high charge density cationic monomer.

Soda Ash Substitute

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOASH 40P	Highly effective soda ash substitute for fixation of all types of reactive dyes on cellulose, reducing load on effluent treatment plant due to its lower TDS, BOD and COD.
02.	NENOASH 100P	Highly effective 10 times concentrated soda ash substitute in powder form for fixation of all types of reactive and sulfur dyes on cellulosic yarn, fibre and garments.
03.	NENOASH PREMIUM	Highly effective 4 times concentrated soda ash substitute in powder form for fixation of all types of reactive and sulfur dyes on cellulosic yarn, fibre and garments.
04.	NENOASH MP	Highly effective 6 times concentrated soda ash substitute in powder form for fixation of all types of reactive and sulfur dyes on cellulosic yarn, fibre and garments.



NENO BIOTECH CO.,LTD.

Thailand: 99/167 M. 4, Supalai Ville Phraesksa, Mueang Samut Prakan District, Samut Prakan, Thailand- 10280.
 Website: www.nbtthai.com Email: info@nbtthai.com Tel: +6621307918 Cell: +66899865602

OBA

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOBKIT 4BK	CI. NO-113
02.	NENOBKIT BA	CI. NO-113

Reduction Clearing Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENO RCA	State of the art product replacing both caustic soda and sodium hydro sulphite in reduction clearing. Enables to treat substrate after dyeing in acidic medium thus saving neutralization step which leads to save times, water, power, and labour.
02.	NENO P-RCA	Four times stronger sodium hydro sulphite substitutes in powder form.



PRINTING AUXILIARY SERIES

Binders

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOPRINT PB	A binder to provide good fastness to pigment print with kerosine as thickener.
02.	NENOPRINT AQBD	An acrylate based binder to impart high degree of fastness with good softness to pigment print using aqueous acrylic thickener.
03.	NENOPRINT B	A binder excellent and sharp print giving good wet rubbing fastness.

Fixers in Pigment Printing Process

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOFIXER MB	A melamine based fixer for pigment printing.
02.	NENOFIXER EMB	Economical melamine based fixer for pigment prnt.
03.	NENOFIXER LF	Fixer for pigment printing with extremely low formaldehyde content.
04.	NENOFIXER ZF	Fixer for pigment printing zero formaldehyde.



NENO BIOTECH CO.,LTD.

Thailand: 99/167 M. 4, Supalai Ville Phraesksa, Mueang Samut Prakan District, Samut Prakan, Thailand- 10280.
 Website: www.nbtthai.com Email: info@nbtthai.com Tel: +6621307918 Cell: +66899865602

Thickeners

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOTHICK AT	Concentrated acrylic thickener for aqueous pigment printing.
02.	NENOTHICK ST	Synthetic thickener for reactive printing in paste form.
03.	NENOPRINT SAS	Pre coating auxiliary for digital printing.

White Paste

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOPASTE WP	Ready to use printing white paste.
02.	NENOPASTE WP2	Ready for use printing past, PVA & Phthalate free, especially developed for white printing on elastic & knitted dyed fabric.



WASHING AUXILIARY SERIES

SL NO.	PRODUCT NAME	FUNCTIONAL NAME
01.	NENOWASH ABS	Anti back Staining Agent
02.	NENOWASH WRF	Wet Rubbing Fastness Improver
03.	NENOWASH ST	Softener
04.	NENOWASH EZ	Enzyme
05.	NENOWASH LP	Lycra Protector



FINISHING AUXILIARY SERIES

Stiffeners

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOSTIFF PAE	Polyvinyl acetate emulsion based product for giving body and stiffeners t all types of fabrics.

Softeners

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOSOFT CS	A economical warm water solluble catioic softener for imparting extremely fluffy feel along with good durability.
02.	NENOSOFT CSW	A economical warm water solluble weakly cationic softener for imparting extremely fluffy feel along with good durability.
03.	NENOSOFT MCT	Cold water solluble cationic softener in flakes form.
04.	NENOSOFT HP	Hydrophilic cationic softener for terry towel and knit to improve absorbency and impart a soft handle. It can be applied by exhaust or padding techniques.
05.	NENOSOFT HP100	Super hydrophilic 100 percent cationic softener in liquid form.
06.	NENOSOFT NCT	An economical cationic softener for fabric and garments.
07.	NENOSOFT W	High Performance Liquid Softener.

Silicone Softeners

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOSIL P-180	A modified micro amino silicone softener with special additives that produce high surface smoothness and a wet feel.
02.	NENOSIL 10X	A micro amino silicone softener with special additives that that produce high surface smoothness and a wet feel.
03.	NENOSIL CON	A concentrated micro amino silicone softener in liquid form to impart greater inner softness to all types of substrates.
04.	NENOSIL 40S	Economical micro amino silicone softener to impart greater softness to all types of fabric.
05.	NENOSIL MAC	A macro amino silicone softener for bouncyness and surface softness for all kinds of fabrics.
06.	NENOSIL UT	A micro amino silicone to impart high degree of surface we feel & inner softness to suiting & shirting.

Wax Finishing Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOWAX ECO	Polyethylene wax emulsion softener with lubricant property and soft waxy finish which also helps to minimize tear strength loss during resin finishing.
02.	NENOWAX PWE	Polyethylene wax emulsion softener in transparent form with lubricant property and soft waxy finish which also helps to minimize tear strength loss during resin finishing process.
03.	NENOWAX 40S	Parafin wax emulsion softener, to impart lubricancy & shine to cotton fabric.

Antistatic Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOSTATIC RT	A soil release finish with antistatic property to dissipate static charges and prevent shocks on the finishing trolleys.

Water Repellants Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOPELLANT MCT	A fluorocarbon chemical resin emulsion based on C-8 chemistry which can impart durable water and oil repellency to synthetic and natural fibres.

Anti Pilling Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOFINISH AP	Excellent anti pilling agent for reduce pill formation and to avoid slippage.
02.	NENOFINISH APR	Economical Anti Pilling agent for reduce pill formation & to avoid slippage.

Enzymatic Bio Polishing Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOZYM AB	A specially designed enzyme for application in Biofinishing and Denim washing of all cellulosic fabrics, both woven and knits in acid medium.
02.	NENOZYM N	A special neutral enzyme for Bio polishing to impart superior surface smoothness to cellulosic fabrics as well to denim garments in neutral medium.
03.	NENOZYM N966	A specially designed economical enzyme for application in Biofinishing and Denim washing of all cellulosic fabrics, both woven and knits in acid medium.



NENO BIOTECH CO.,LTD.

Thailand: 99/167 M. 4, Supalai Ville Phraesksa, Mueang Samut Prakan District, Samut Prakan, Thailand- 10280.
 Website: www.nbtthai.com Email: info@nbtthai.com Tel: +6621307918 Cell: +66899865602

Yarn Lubricants

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOLAB YK	Specially softener, based on special wax softener to impart high degree of lubricants to yarns, to withstand yarn t-yarn & yarn-metal friction to enable smooth working of yarns on subsequent machines to avoid breakage and increase efficiency.

Lykra Protector

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOPRO LP	A special long chain organic polymer emulsion dispersion. It is used to prevent the shrinkage or breakage of the stretch yarn.
02.	NENOPRO LP-1	Lykra Protector acts on regenerated cellulose, high wet modulus viscose fibers, polyester fibers, polyamide fibers, cotton blended and other fiber products to impart good bounce, while playing an excellent non-slip effect. Excellent heat resistance, and does not cause yellowing.

WARP Sizing Agent

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOSIZE MS	Single function sizing chemicals.
02.	NENOSIZE MS-1	Mutufunctional Sizing Agent



FUNCTIONAL AUXILIARY SERIES

SL NO.	PRODUCT NAME	FUNCTIONAL NAME
01.	NENOLINK TP	Cross Linking Agent
02.	NENOREMOVE APEO	APEO Eliminating Agent
03.	NENOREMOVE FEA	Formaldehyde Eliminating Agent
04.	NENOPELENT WT	Water Repellent Agent
05.	NENOSTIFFENER ST	Stiffening Agent
06.	NENOFINISH AP	Antipilling Agent
07.	NENOPHENOLIC MH	Anti Phenolic Yellowing Agent



SPECIAL AUXILIARY SERIES

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	NENOSHOP MH	Powder form soaping agent.
02.	NENOLEVE MH	Powder form levelling agent
03.	NENOCRIZE MH	Powder form anti creasing agent
04.	NENOCRIZE MH-W	Powder form anti creasing agent
05.	NENOSTAB MH	Powder form hydrogen peroxide stabilizer
06.	NENOSCOUR MH	Powder form detergent
07.	NENOKILL MH	Powder form peroxide killer
08.	NENOASH 40P	Powder form sodium sulphate substitutor
09.	NENOQUEST MH	Powder form sequestering agent.



BASIC CHEMICAL SERIES

SL NO.	PRODUCT NAME	PROPERTIES/USES
01.	Na ₂ SO ₄	Global Salt/ sodium sulphate anhydrous (Sateri)
02.	Na ₂ CO ₃	Soda Ash Light(Double Ring)
03.	NaHCO ₃	Sodium bicarbonate(malan brand)
04.	NaOH	Castic Soda (Flakes/Pearls)
05.	Bio Organ TTC	Green Acid
06.	Bio Organ TTC NX	Core Neutraliza
07.	Bio Organ TTC BX	Buffer Acid
08.	NaCl	Refined Salt
09.	FeSO ₄ .7H ₂ O	Ferrous Sulphate heptahydrate
10.	NH ₄ Cl	Ammonium Chloride
11.	Na ₂ S ₂ O ₅	Sodium Metabisulphite
12.	Granularity (14-50 mesh)	Calcium hypochlorite
13.	H ₂ O ₂	Hydrogen Peroxide