



PRE-TRETAMENT

AUXILIARIES



KLARIZYM (Enzymes)

Desizing Enzymes

Klarizym AHT Conc.

Concentrated desizing enzyme for high-temperature applications

pH value
6.0 ±1

Ionic charge: NA

Cotton & Rayon Woven Fabric, Denim fabric

ph value (2%): 5.5 ± 1

Exhaust: 0.2 - 0.4 %

Pad-Steam: 2 - 4 gpl

Temp.
80 - 110°C

Klarizym AHT

Enzymatic desizing of starch containing sizes for high temperature applications

pH value
6.0 ±1

Ionic charge: NA

Cotton & Rayon Woven Fabric, Denim fabric

ph value (2%): 5.5 ± 1

Exhaust: 0.3 - 0.5 %

Pad-Steam: 3 - 5 gpl

Temp.
80 - 110°C

Klarizym LTH

Desizing enzyme with wide range of application temperature (30 - 70°C)

pH value
6.0 ±1

Ionic charge: NA

Cotton woven, Denim garment

ph value (2%): 5.5 ± 1

Exhaust: 0.5 - 1.0 %

Pad-batch: 5 - 10 gpl

Temp.
30 - 70°C

Klarizym AMT

Desizing enzyme with medium application temperature

pH value
6.0 ±1

Ionic charge: NA

Cotton woven, Denim garment

ph value (2%): 5.5 ± 1

Exhaust: 0.5 - 1.0 %

Pad-batch: 5 - 10 gpl

Temp.
40 - 60°C

Klarizym ALT

Desizing enzyme with applications at room temperature

pH value
6.0 ±1

Ionic charge: NA

Cotton woven, Denim garment

ph value (2%): 5.5 ± 1

Exhaust: 0.5 - 1.0 %

Pad-batch: 5 - 10 gpl

Temp.
Room Temp

Klarizym DRT

Enzymatic desizing of starch containing sizes for room temperature applications

pH value
6.0 ±1

Ionic charge: NA

Cotton woven, Denim garment

ph value (2%): 5.5 ± 1

Exhaust: 0.5 - 1.0 %

Pad-batch: 5 - 10 gpl

Temp.
Room Temp

Klarizym ADL

Cost effective enzymatic desizing for room temperature applications

pH value
6.0 ±1

Ionic charge: NA

Cotton woven

ph value (2%): 5.5 ± 1

Exhaust: 0.2 - 0.4 %

Pad-batch: 8 - 15 gpl

Temp.
Room Temp

Biopolishing & Fading Enzymes

Klarizym NBP

Excellent cellulase enzyme for biopolishing of cellulosic fabrics

Ionic charge: NA

Cotton and P/C knit

ph value (2%): 5.5 ± 1

Exhaust: 0.05 - 0.15 %

Klarizym NBP Ultra

Concentrated cellulase enzyme for biopolishing of cellulosic fabrics

Ionic charge: NA

Cotton and P/C knit

ph value (2%): 5.5 ± 1

Exhaust: 0.2 - 0.3 %

Klarizym AB Conc.

Cellulase enzyme for better fuzz cutting of cellulosic fabrics

Ionic charge: NA

Cotton and P/C knit

ph value (2%): 5.5 ± 1

Exhaust: 0.2 - 0.4 %

Klarizym AB

Cellulase enzyme for biopolishing of cellulosic fabrics

Ionic charge: NA

Cotton and P/C knit

ph value (2%): 5.5 ± 1

Exhaust: 1.0 - 1.5 %

Klarizym BPN

Neutral cellulase enzyme specially recommended for biopolishing of cellulosic fabrics

Ionic charge: NA

Cotton and P/C knit

ph value (2%): 5.5 ± 1

Exhaust: 0.5 - 1.2 %

Peroxide Quenching Enzymes

Klarizym QHP Conc.

Super concentrated Catalase for enzymatic quenching of residual Hydrogen Peroxide after completion of bleaching

Ionic charge: NA

Cotton & their Blends

ph value (2%): 5.5 ± 1

Exhaust: 0.05 - 0.1 %

Klarizym QHP

Catalase for enzymatic quenching of residual Hydrogen Peroxide after completion of bleaching

Ionic charge: NA

Cotton & their Blends

ph value (2%): 5.5 ± 1

Exhaust: 0.2 - 0.4 %

Bioscouring Enzymes

Klarizym Soft Scour

Pectinase enzyme formulation for bio scouring of cellulosic fibre to replace alkaline scouring system

Ionic charge: NA

Cotton Knits, Towel and Yarn

ph value (2%): 5.5 ± 1

Exhaust: 1.0 - 1.5 %

PREPARATION AGENTS

Wetting Cum Scouring Agents

Klaritol Pro-LTS

- Low temperature Scouring

Ionic charge: Nonionic

Cotton, P/C blend fabric & yarn

ph value (2%): 7.0 ± 1

Exhaust: 0.5 - 2.0 %

Padding: 2.0 - 4.0 g/l

Klaritol Pro-DSX

Desizing & Scouring in one bath

Ionic charge: Nonionic

Cotton, P/C Blends

ph value (2%): 7.0 ± 1

Exhaust: 0.5 - 2.0 %

Padding: 2.0 - 4.0 g/l

Klaritol Pro LF

- Extremely low foaming wetting cum scouring agent for discontinuous and continuous pretreatment processes

Ionic charge: Nonionic

Cotton, Rayon P/C & P/V woven

ph value (2%): 3.0 ± 1

Exhaust: 0.2 - 0.7 %

Pad-steam: 2 - 8 ml / Kg
Pad-batch: 2 - 4 gpl

Klaritol Pro 8100

- Removes oily and greasy impurities as well as sizing and soil particles. Results in a good hydrophilicity

Ionic charge: Anionic/
Nonionic

Cellulosics, Synthetics and specifically blends with elastane

ph value (2%): 7.0 ± 1

Exhaust: 0.5 - 2.0 %

Klaritol Pro 8700

- High performance low foaming wetting cum scouring agent specially designed for Soft Flow and Jet

Ionic charge: Nonionic

Cotton, Synthetic, Blends

ph value (2%): 7.0 ± 1

Exhaust: 0.1 - 0.5 %

Klaritol KLF Plus

- Concentrate low foaming wetting cum scouring agent for discontinuous pretreatment processes on cellulosics and their blends with synthetics

Ionic charge: Nonionic

Cotton, Rayon P/C & P/V woven

ph value (2%): 7.0 ± 1

Exhaust: 0.1 - 0.8 %

Klaritol KLF

- Extremely low foaming wetting cum scouring agent for discontinuous pretreatment processes on cellulosics and their blends with synthetics

Ionic charge: Nonionic

Cotton, Rayon P/C & P/V woven

ph value (2%): 7.0 ± 1

Exhaust: 0.2 - 0.8 %

Klaritol KWL

- Low foaming wetting cum scouring agent for discontinuous pretreatment processes

Ionic charge: Nonionic

Cotton, Synthetic and Blends knit fabric

ph value (2%): 7.0 ± 1

Exhaust: 0.4 - 0.8 %

Klaritol CBS

- Novel clay based all in one scouring and cleaning agent offering good wetting, cleaning and sequestering

Ionic charge: Weakly
Anionic

Cotton , P/C Knit and yarn

ph value (2%): 7.0 ± 1

Exhaust: 1.5 - 3.0 %

Klaritol CBLF

- High performance wetting cum scouring agent for continuous and semi continuous pretreatment processes on cellulosics and their blends with synthetics

Ionic charge: Nonionic

Cotton, Rayon P/C & P/V woven

ph value (2%): 7.0 ± 1

Exhaust: 0.3 - 0.6 %

Padding: 2 - 4 gpl

Klaritol CFS

Unique Product for Caustic Soda Free Scouring Specially for Woven Fabrics (Single product for scouring & Enable caustic soda free process)

Ionic charge: NA

Cotton, P/C Blends

ph value (2%): 10.0 ± 1

Exhaust: 2.0 %

Pad-steam: 2 - 8 ml / Kg

Pad-batch: 2 - 4 gpl

Klaritol DCW Plus

- Detergent cum washing agent specially designed for woven fabrics

Ionic charge: Nonionic

Cotton, Rayon P/C & P/V woven

ph value (2%): 7.0 ± 1

Exhaust: 0.3 - 0.7 %

Klaritol DCW

Cost effective detergent specially designed for pre washing of garments

Ionic charge: Nonionic

Cotton, Rayon P/C & P/V woven

ph value (2%): 7.0 ± 1

Exhaust: 0.3 - 0.5 %

Klaritol OGR

Low foaming scouring agent, Removes sizing and soil particles as well as oily and greasy impurities.

Ionic charge: Anionic

Cotton, P/C Blends

ph value (2%): 4.0 ± 1

Exhaust: 0.5 - 2.0 %

Padding: 2.0 - 4.0 g/l

Klaritol PSD PLUS

- Concentrated low foaming wetting cum de-aeration agent for continuous and discontinuous processes

Ionic charge: Weakly Anionic

Denim, Cotton and P/C yarn

ph value (2%): 7.0 ± 1

Exhaust: 0.2 - 0.4 %

Padding: 3 - 5 gpl

Klaritol PSD

- Low foaming wetting cum de-aeration agent for continuous and discontinuous processes

Ionic charge: Weakly Anionic

Denim, Cotton and P/C yarn

ph value (2%): 7.0 ± 1

Exhaust: 0.2 - 0.6 %

Padding: 4 - 6 gpl

Klaritol WSL

Low Foaming wetting cum scouring agent for Wool blended fabric

Ionic charge: Nonionic

Cotton, P/C Blends

ph value (2%): 7.0 ± 1

Exhaust: 0.5 - 2.0 %

Padding: 2.0 - 4.0 g/l

Klaritol 8150

Detergent with emulsifying and extractive action. The product can be used for washing of all kinds of fibres and also as a scouring agent

Ionic charge: Nonionic

Cotton, Rayon P/C & P/V woven

ph value (2%): 7.0 ± 1

Exhaust: 0.5 - 1.2 %

Padding: 2 - 6 gpl

Klaritol 9240

Wetting cum scouring agent with emulsifying and extractive action. The product can be used for washing of all kinds of fibres and also as a scouring agent for cotton and blends

Ionic charge: Nonionic

Cotton, Rayon P/C & P/V woven

ph value (2%): 7.0 ± 1

Exhaust: 0.5 - 1.0 %

Padding: 2 - 4 gpl

Stain Removing Agents

Klaritol ORL



Excellent detergent & High performance stain remover and preparation agent specially recommended for Elastane fibre blends

Ionic charge: Nonionic

Cotton, Synthetic, Blends

ph value (2%): 7.0 ± 1

Exhaust: 0.3 - 0.6 %

Padding: 3 - 5 gpl

Klaritol OSR

Excellent stain remover for heavily soiled textile specially Polyester and blends

Ionic charge: Nonionic

Polyester and Blends

ph value (2%): 7.0 ± 1

Exhaust: 1.0 - 1.5 %

Klaritol MSP

- Concentrated stain remover

Ionic charge: Nonionic

Polyester and Blends

ph value (2%): 2.0 ± 1

Exhaust: 0.3 - 0.5 %

Klaritol ASW

- Single bath stain remover cum scouring agent

Ionic charge: Nonionic

Cotton, Polyester and Blends

ph value (2%): 7.0 ± 1

Exhaust: 0.5 - 1.0 %

Klaritol MSR

Cost-effective stain remover

Ionic charge: Nonionic

Cotton, Polyester and Blends

ph value (2%): 7.0 ± 1

Exhaust: 0.8 - 1.2 %

Klaritol NIX

A versatile product for one bath scouring and bleaching of cotton woven and knits, Speciality product for combined scouring and dyeing of polyester fibres, yarn and fabric.

Ionic charge: Weakly
Anionic

Cotton, Polyester and Blends

ph value (2%): 7.0 ± 1

Exhaust: 0.5 - 1 %

Klaritol LAD

- Low Temperature and Low Foaming Wetting Cum Scouring Agent

Ionic charge: Nonionic

Cotton, Rayon P/C & P/V woven

ph value (2%): 3.0 ± 1

Exhaust: 0.2 - 0.7 %

Pad-steam: 2 - 8 ml / Kg

Pad-batch: 2 - 4 gpl

BLEACHING AIDS

Sequestering Cum Chelating Agents

Qunox ULTIMA Powder

Organic complexing and chelating agent with very high chelation values

CV (Iron)
650 - 700

Ionic charge: Anionic

Universal

ph value (2%): 7.0 ± 1

Exhaust: 0.1 - 0.4 %

CV(Calcium)
800 - 850

Qunox ULTIMA Liquid

Special sequestering cum chelating agent for preventing catalytic damage caused by Iron during Bleaching

pH value
550 - 600

Ionic charge: Anionic

Universal

ph value (2%): 3.0 ± 1

Exhaust: 0.2 - 0.5 %

Padding : 1 - 3 ml/Kg

Temp.
400 - 450

Qunox EMG

Sequestering cum chelating agent for continuous and discontinuous applications

CV (Iron)
400 - 450

Ionic charge: Anionic

Universal

ph value (2%): 3.0 ± 1

Exhaust: 0.5 - 1.0 %

Padding : 5 - 8 ml/Kg

CV(Calcium)
450 - 500

Qunox BA

Cost effective Sequestering cum chelating agent for discontinuous applications

CV (Iron)
350 - 400

Ionic charge: Anionic

Universal

ph value (2%): 3.0 ± 1

Exhaust: 0.5 - 1.0 %

CV(Calcium)
300 - 350

Stabilizers

Qunox PS Ultra

Versatile stabilizer for all kinds of continuous and discontinuous bleaching methods with Hydrogen Peroxide

Ionic charge: Anionic

Universal

ph value (2%): 3.0 ± 1

Exhaust: 0.2 - 0.6 %

Pad-steam: 7 ml / Kg

Pad-cold batch: 8-16 ml / Kg

Qunox Multi

- Special combination of Stabilizer with Sequestering agent

Ionic charge: Anionic

Universal

ph value (2%): 3.0 ± 1

Exhaust: 0.5 - 1.0 %

Anti Creasing Agents

Lubimak LCP

- Specially formulated anti-creasing agent specially recommended for processing of blends with elastane fibre

Ionic charge: Anionic

Polyester, P/C & PV and Blends with Elastane

ph value (2%): 8.0 ± 1

Exhaust: 0.5 - 1 %

Padding: 1 - 5 gpl

Lubimak PLA Liquid

- Universal lubricant and crease inhibitor, prevents crease formation and protects fabric surface against abrasion

Ionic charge: Nonionic

Universal

ph value (2%): 6.0 ± 1

Exhaust: 0.5 - 1 %

Lubimak PLA Powder

- Universal lubricant and crease inhibitor, prevents crease formation and protects fabric surface against abrasion

Ionicity: Nonionic

Universal

ph value (2%): 6.0 ± 1

Exhaust: 0.5 - 1 %

Lubimak LCP Conc.

Concentrate for lubricating agent for anti-creasing in high turbulence machines

Ionicity: Anionic

Universal

ph value (2%): 8.0 ± 1

Exhaust: 0.3 - 1 %

Acid Neutralizers

Neutax AAA



Strong neutralizer after alkaline pre-treatment

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Universal

Exhaust: 0.3 - 1.0 %

Continuous: 1 - 3 gpl

Neutax AAA-V



Universal neutralizer after alkaline pre-treatment

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Universal

Exhaust: 0.5 - 1.5 %

Continuous: 1 - 3 gpl

Neutax AAA-C



Cost-effective neutralizer cum bath pH regulator

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Universal

Exhaust: 0.5 - 2.0 %

Neutrax AC



Multifunctional agent to optimize washing after alkaline pre-treatment processes like mercerization, peroxide bleaching, alkaline boiling

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Universal

Exhaust: 0.5 - 2.0 %

Neutax CAN



Core alkali neutralizer after alkaline pre- treatment

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Universal

Exhaust: 0.8 - 1.0 gpl

Neutrax P-AB



Excellent pH stability and buffering capacity

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Polyester and its blends

Exhaust: 0.5 - 2.0 %

Continuous: 1 - 3 gpl

Acid Neutralizers

Neutax AAA



Strong neutralizer after alkaline pre-treatment

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Universal
Exhaust: 0.3 - 1.0 %

Continuous: 1 - 3 gpl

Neutax AAA-V



Universal neutralizer after alkaline pre-treatment

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Universal
Exhaust: 0.5 - 1.5 %

Continuous: 1 - 3 gpl

Neutax AAA-C



Cost-effective neutralizer cum bath pH regulator

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Universal
Exhaust: 0.5 - 2.0 %

Neutrax AC



Multifunctional agent to optimize washing after alkaline pre-treatment processes like mercerization, peroxide bleaching, alkaline boiling

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Universal
Exhaust: 0.5 - 2.0 %

Neutax CAN



Core alkali neutralizer after alkaline pre- treatment

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Universal
Exhaust: 0.8 - 1.0 gpl

Neutrax P-AB



Excellent pH stability and buffering capacity

Ionic charge: Anionic
ph value (2%): 3.0 ± 1

Polyester and its blends
Exhaust: 0.5 - 2.0 %

Continuous: 1 - 3 gpl

Mercerizing Agents

Mercol MRG

- High performance low foaming wetting agent for mercerization and causticization

Ionic charge: Anionic

ph value (2%): 8.0 ± 1

Cotton & their Blends

Continuous : 2 - 6 gpl

Mercol MRC

- Mercerizing agent for better pick up of alkali during mercerization

Ionic charge: Anionic

ph value (2%): 8.0 ± 1

Cotton & their Blends

Continuous: 3 - 7 gpl

Mercol MWC

Cost effective Mercerizing agent

Ionic charge: Anionic

ph value (2%): 8.0 ± 1

Universal

Continuous :- 5 - 10 gpl

Wetting Agents with Re -Wetting Properties

Klaritol DS 30

Wetting agents with re-wetting properties to improve hydrophilicity of textile before dyeing and printing

Ionic charge: Anionic

ph value (2%): 6.0 ± 1

Cotton & their Blends

Wetting: 0.5 - 2.5 gpl

Re-wetting: 0.4 - 1.0 gpl

Klaritol DS 50

Wetting agents with re-wetting properties to improve hydrophilicity of textile before dyeing and printing

Ionic charge: Anionic

ph value (2%): 6.0 ± 1

Polyester and its blends

Wetting: 0.5 - 2.5 gpl

Re-wetting: 0.4 - 1.0 gpl

Klaritol DS 80

Wetting agents with re-wetting properties to improve hydrophilicity of textile before dyeing and printing

Ionic charge: Anionic

ph value (2%): 3.0 ± 1

Polyester and its blends

Wetting: 0.5 - 1.5 gpl

Re-wetting: 0.15 - 0.75 gpl