



Chemistry Makes It Possible

SIERRA Chemicals Portfolio

2026 Version

Volume I



Chemical division now formally operates as part of an integrated and linear textile manufacturing process.

Evolving from **Pride Chemicals** and concluding its transformation as



SIERRA™
CHEMICALS

Beginning a new chapter in textile transformation, advancing the region through specialized, forward-thinking solutions.

Learn more about SIERRA Chemicals at

🌐 sierratextiles.com/chemicals



Defining SIERRA

SIERRA is a textile manufacturing partner in the CAFTA-DR region, focused on delivering integrated solutions across the textile value chain. Through a linear manufacturing approach, we work with both natural and synthetic fibers to support efficient, reliable, and high-quality production.

Sustainability shapes how we operate. From responsible resource use to thoughtful processes, we are committed to building textiles in a way that respects the environment and the communities connected to our work.

A linear manufacturing model delivering consistency, efficiency, and responsible production end to end.



SIERRA Fiber

sierratextiles.com/fiber



SIERRA Yarn

sierratextiles.com/yarn



SIERRA Fabric

sierratextiles.com/fabric



SIERRA Chemicals

sierratextiles.com/chemicals





When the Amdani family and I began this journey, it was driven by a simple yet meaningful belief: that we could make a positive contribution to the textile industry. Over time, that belief turned into daily work, thoughtful decisions, and a shared vision that continues to guide us forward. Not everything was quick or easy, but it was always authentic.

SIERRA's story has been shaped by dedication, discipline, and a constant drive to improve. Over the years, we have grown steadily, building an integrated and linear textile platform that brings together spinning operations, a dye house, and chemical solutions—strengthening our capabilities and allowing us to respond with greater agility and responsibility.

Our growth strategy goes hand in hand with expansion across the CAFTA-DR region and with a firm commitment to fostering a more responsible textile industry. Across every operation, our focus remains the same: to create positive impact for the people who are part of this journey and for the environment in which we operate.

I would like to express my sincere gratitude to the Amdani family, our team, and our strategic partners. Their trust, effort, and shared vision have been essential to everything we have built. Looking ahead, I am confident that SIERRA will continue to grow, innovate, and create value—guided by the same conviction that inspired us from the very beginning.

Thank you for being part of this journey.

Adrian Hernandez
SIERRA CEO



SIERRA is built as part of a greater vision within GK

Our group stands out by approaching every project with a pioneering mindset and a commitment to innovation. We deliver distinctive services while actively promoting environmental sustainability, better working conditions, and a meaningful improvement in quality of life.

Established as a GK company with variable capital, we operate from Altia Smart City, GK Tower, along Altia Boulevard in San Pedro Sula, Cortés.

Vision

With a powerful global business comes great responsibility, which is why we are committed to finding better ways to do what we do, acting with purpose, and investing in projects that stand the test of time.



Mission

We work tirelessly to maintain our position as a leader in global corporate solutions. We believe our strategic, sustainable investments have a duty to empower communities and safeguard natural resources.





We are the face of corporate responsibility, guided by our values and driven by purpose; a source of unwavering positive impact on education, professional development, health, the environment, and infrastructure worldwide, creating lasting value through ethical action, collaboration, and long-term commitment.

- 01 Continuous Innovation
 - 02 Sustainable Solutions
 - 03 Influential leadership and global business development
-

Driven by growing demand, the divisions advance through strategic investments and intelligent development.



Technology

Invests in smart infrastructure and innovation to strengthen digital ecosystems and talent.



Lifestyle

Creates retail and hospitality destinations designed for meaningful, everyday experiences.



Textile

Operates a vertically integrated textile platform delivering quality from yarn to finished product.

SIERRA Division



Real Estate

Develops integrated industrial and commercial spaces focused on efficiency and long-term sustainability.



Agriculture

Drives responsible agricultural operations focused on productivity, sustainability, and community impact.

We Are SIERRA

Redefining textiles with innovation,
sustainability, and transparency.

Every yarn, every fabric traceable by design
and crafted to make an impact.

🌐 sierratextiles.com





SIERRA stands for sustainable quality products through our partnerships.

Data

31

Years

200+

Partners

2K+

Direct Jobs

19+

SIERRA Fiber Materials

9+

SIERRA Yarn Technologies

10+

SIERRA Fabric Types

6

Countries

4

DC's

6

Offices

5

Mills

16+

Certifications

 sierratextiles.com/about

We deliver innovative textile solutions across the CAFTA-DR region.

- Headquarters** Located in strategic, forward-looking environments that strengthen operations, collaboration, and long-term growth.
- Distribution Center** Our mills facilities operate in an integrated way, supporting a linear and efficient textile process.
- Mills** Strategically positioned to ensure agility, reliability, and seamless regional service.





SIERRA's legacy began five decades ago

- 01 **1967**
GK was founded

- 02 **1991**
GK Fiber & Yarn starts operations in Central America.

- 03 **2010**
Honduras Spinning Mills was acquired.

- 04 **2016**
Nicaragua Spinning Mills was acquired.

- 05 **2023**
Northern Spinning Mills was acquired.

- 06 **2023**
GK Fiber & Yarn becomes SIERRA.

- 07 **2024**
SIERRA expands into knitting, dyeing, and finishing with SIERRA Fabric

- 08 **2025**
SIERRA expands into chemicals by integrating and acquiring SIERRA Chemicals.

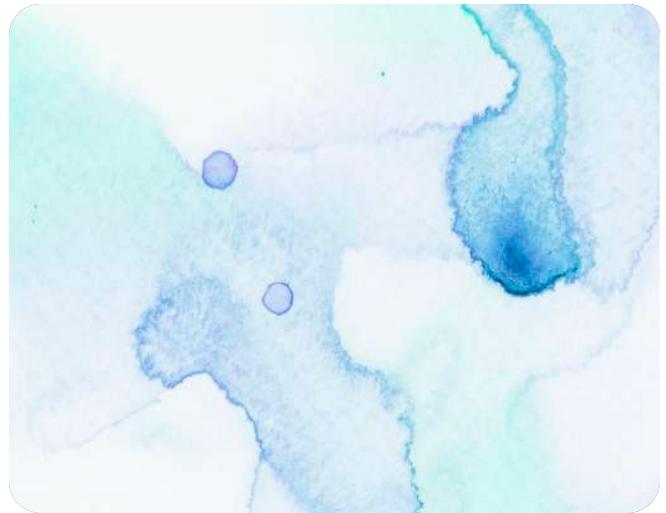
Mission

Our mission is to deliver top-tier textiles while championing sustainability at every stage. Our commitment to cutting-edge technology and sustainable practices drives us to craft exceptional textiles that meet high standards and safeguard our planet's well-being. We aim to expand our footprint while continually minimizing environmental impact.



Vision

As a global leader in the textile industry, our vision and desire is to collaborate with and empower our partners to create a more sustainable future. We envision a world where our dedication to service, quality, and environmental stewardship fosters innovation, elevates communities, and shapes a brighter tomorrow for generations to come.



Sustainability

Shapes how we work every day, we take responsibility for caring for resources and building a healthier future, while supporting our partners as their needs evolve.

Innovation

Drives what we create. We keep exploring new yarns and fibers to deliver trend-leading products that give our partners variety, novelty, and cutting-edge quality.

Empowering

We invest in growth to strengthen our region. With three spinning mills and strong capacity, we build the infrastructure that supports progress and long-term development.

Human-centered approach

People come first. We work closely with our partners, valuing their expertise and commitment, and building relationships based on trust, service, and shared success.





CHEMICALS

Behind every color, every handle, every performance attribute, there is chemistry working quietly to make the fabric behave as it should.



Textile processes are complex. Requirements change at every stage.

What matters is having the right chemical solution at every step.



Different fibers, different behaviors



Different processes, different risks



Different end uses, different expectations

Want to learn more about our products and what can we offer to you?
Scan the QR and let's connect.

 hello@sierratextiles.com

 sierratextiles.com/chemicals



Chemistry across the textile lifecycle



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Water & Operations

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Chapter I



Preparation & Pretreatment

Clean, stable and controlled foundations before coloration or finishing.

Category Products:

→ LUMERA™

→ EQUORA™

LUMERA™

Optimizes preparation stages by controlling impurities, stabilizing baths and ensuring clean, consistent starting conditions for downstream textile processes.



01 **LUMERA™ Antifoam HT-900**
Antifoam · Defoamer

Non-silicone antifoam designed to control foam formation during demanding textile preparation processes, including scouring, bleaching and dye baths, under acidic and alkaline conditions.

Key Functions

- Foam control in preparation and dyeing baths
- Stable across wide pH ranges
- Suitable for modern high-performance processes

Fiber Compatibility

- Cotton
- Cellulosic blends

02 **LUMERA™ Antifoam SAF**
Silicone-based Antifoam

High-efficiency silicone antifoam formulated for dye bath preparation, ensuring stable processing conditions and improved bath control.

Key Functions

- Rapid foam suppression
- High efficiency at low dosages
- Optimized for dyeing preparation

Fiber Compatibility

- All fiber types

03 **LUMERA™ NF-100**
Detergent

Non-foaming detergent with excellent wetting and oil removal properties, developed for high-shear textile equipment and suitable for all fiber types. APEO-free.

Key Functions

- Deep cleaning
- Enhanced wettability
- Low foam formation

Fiber Compatibility

- Cotton
- Synthetic fibers
- Blends



04 **LUMERA™ Scour 3000 SC-NF**
Scouring Agent

Low-foaming scouring agent designed to remove natural waxes and contaminants from cotton and cellulosic fibers at reduced temperatures, improving energy efficiency.

Key Functions

- Effective wax removal
- Low-temperature processing
- Improved substrate hydrophilicity

Fiber Compatibility

- Cotton
- Cellulosic blends

05 **LUMERA™ Enzyme GWD-L**
Enzymatic Scouring

Pectinase-based enzyme system that enhances cotton scouring when combined with LUMERA™ Scour 3000, replacing conventional caustic scouring processes.

Key Functions

- Enzymatic cleaning
- Reduced chemical load
- Improved fabric hydrophilicity

Fiber Compatibility

- Cotton
- Cotton blends

06 **LUMERA™ Wet RP**
Wetting Agent

Low-foaming wetting agent for textile printing operations. Provides excellent wetting while controlling foam formation, ensuring uniform application and stable process performance.

Key Functions

- Wetting capability and low foam generation
- Improved process efficiency
- Enhanced print consistency

Process Compatibility

- Textile printing operations
- Processes requiring controlled wetting and low foaming behavior



07 **LUMERA™ Scour 511**
Scouring Detergent

Nonionic, non-foaming detergent for scouring and bleaching processes. Provides effective cleaning and improved hydrophilicity under alkaline or neutral conditions.

Key Functions

- Nonionic, non-foaming performance
- High cleaning efficiency
- Improved substrate hydrophilicity

Process Compatibility

- Alkaline scouring
- Neutral scouring
- Bleaching processes

08 **LUMERA™ Zyme CT-F**
Peroxide Elimination Enzyme

Catalase-based bio-catalyst designed to efficiently remove residual hydrogen peroxide over a wide pH range at moderate temperatures.

Key Functions

- Fast peroxide elimination
- Reduced water usage
- Enzyme-based solution

Fiber Compatibility

- All fiber types

EQUORA™

Balances and protects preparation systems through sequestration and stabilization, helping maintain bath integrity and process reliability.



9

EQUORA™ R89
Sequestering & Complexing Agent

An anionic protective colloid and complexing agent designed to bind calcium and magnesium ions during dyeing and preparation processes without interfering with metal-complex dyes.

Key Functions

- Water hardness control
- Metal ion sequestration
- Improved dye bath stability
- Non-foaming behavior

Fiber Compatibility

- Cotton
 - Cellulosic fibers
 - Blends
-

10

EQUORA™ R91
Multi-Stage Sequestering Agent

High-performance complexing and protective colloid agent suitable for preparation, dyeing and soaping stages, ensuring stable processing conditions across multiple wet processes.

Key Functions

- Broad-stage applicability
- Metal ion control
- Improved washing and dyeing performance

Fiber Compatibility

- Cotton
 - Cellulosic fibers
 - Synthetic blends
-

11

EQUORA™ SD 480
Dispersing & Sequestering Agent

Protective colloid with dispersing and sequestering properties designed for use throughout all dyeing stages of cotton and cotton blends.

Key Functions

- Dye dispersion stability
- Metal ion sequestration
- Improved reproducibility

Fiber Compatibility

- Cotton
- Cotton blends



12

EQUORA™ BA-1500
Peroxide Activator

Pretreatment agent developed for low-temperature activation of hydrogen peroxide in cellulose bleaching processes. Designed for exhaust application, ensuring efficient bleaching and their blends.

Key Functions

- Low-temperature peroxide activation
- Improved bleaching efficiency
- Optimized for exhaust processes

Fiber Compatibility

- Cellulosic fibers
- Cellulosic / Synthetic blends



Chapter II



Coloration

Supporting dyeing processes with precision, control and fiber-specific solutions.

Category Products:

→ **COLORA™**

→ **CLARIS™**

→ **REVIA™**

COLORA™

Delivers control and consistency during dyeing by managing leveling, fixation, migration and final color stability across multiple fiber types.



13 **COLORA™ Dispersant RLD**
Dispersing Agent

An anionic dispersing agent developed for cotton dyeing under alkaline conditions, ensuring stable dispersion of dyestuffs and improved bath homogeneity.

Key Functions

- Dye dispersion control
- Reduced shade variations
- Improved bath stability

Fiber Compatibility

- Cotton
- Cellulosic fibers

14 **COLORA™ Dispersant SN**
Universal Dispersing Agent

Protective colloid dispersing agent suitable for all dyeing stages of cotton and cotton blends, supporting consistent color development.

Key Functions

- Multi-stage applicability
- Improved dye solubility
- Stable dyeing performance

Fiber Compatibility

- Cotton
- Cotton blends

15 **COLORA™ Lube HC**
Leveling & Lubricating Agent

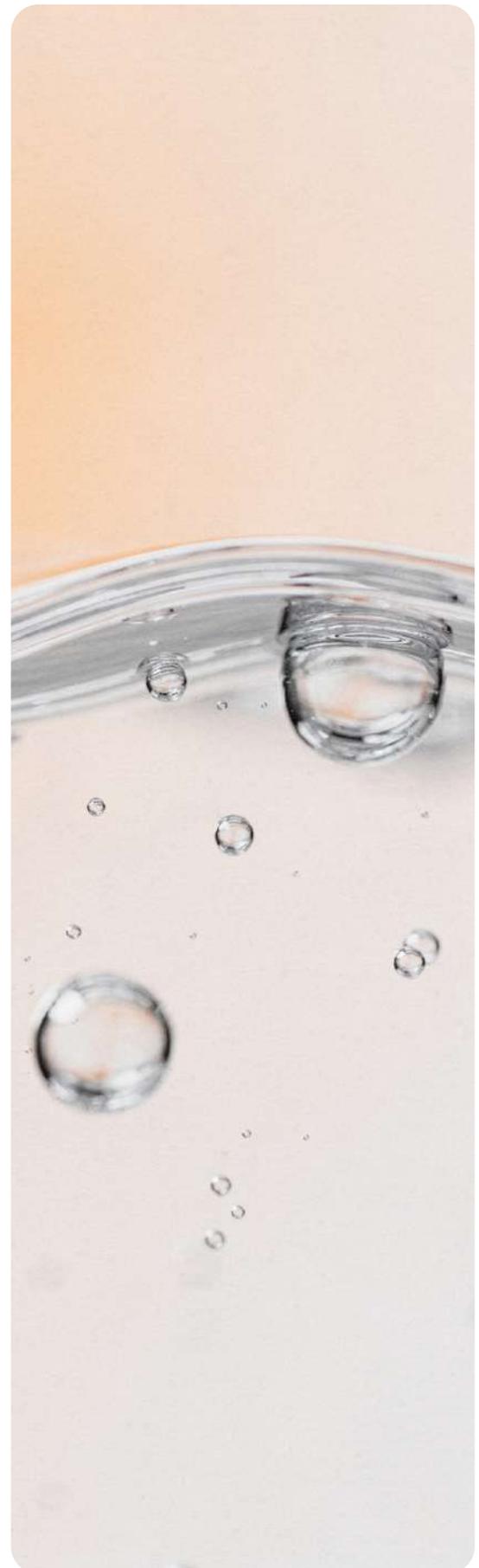
Nonionic auxiliary combining leveling, lubrication and wetting functions to reduce fiber-to-fiber and fiber-to-metal friction during cotton dyeing.

Key Functions

- Improved levelness
- Reduced mechanical stress
- Enhanced fabric appearance

Fiber Compatibility

- Cotton
- Cellulosic fibers



16 **COLORA™ Lube LT**
Lubricant & Anti-Creasing Agent

Anionic to nonionic lubricant that reduces friction during cotton dyeing processes across a wide pH and temperature range.

Key Functions

- Crease prevention
- Mechanical protection
- Process stability

Fiber Compatibility

- Cotton
 - Cellulosic fibers
-

17 **COLORA™ Fix F New**
Fixing Agent

Cationic fixing agent that improves wet fastness of dyeings and prints with reactive and direct dyes while minimizing impact on light fastness.

Key Functions

- Improved wash fastness
- Reduced dye migration
- Enhanced color durability

Fiber Compatibility

- Cotton
 - Cellulosic fibers
-

18 **COLORA™ Oxidizer AR**
Reduction Blocker

Auxiliary designed to protect disperse dyes from chemical reduction during high-temperature dyeing, preserving shade integrity and color depth.

Key Functions

- Prevention of dye reduction
- Improved color stability
- Reduced shade loss

Fiber Compatibility

- Polyester



19 **COLORA™ Dispersant DA3**
High-Efficiency Dispersing Agent

Highly efficient anionic dispersing agent suitable for disperse dyes and pigments, supporting clean and controlled coloration of synthetic fibers.

Key Functions

- Enhanced dispersion efficiency
- Broad pigment compatibility
- Improved process reproducibility

Fiber Compatibility

- Polyester
- Synthetic fibers

20 **COLORA™ PEL-31**
Leveling Agent for Polyester

Low-foaming anionic leveling agent for high-temperature polyester dyeing, designed to control dye uptake and reduce oligomer redeposition on fabrics and equipment.

Key Functions

- Improved levelness at HT conditions
- Trimer and oligomer control
- Reduced machine contamination

Fiber Compatibility

- Polyester

21 **COLORA™ EDP**
Leveling Agent for High-Temperature Dyeing

Nonionic leveling agent developed for polyester yarns and fabrics processed under high-temperature dyeing conditions.

Key Functions

- Controlled dye migration
- Improved shade consistency
- Stable at elevated temperatures

Fiber Compatibility

- Polyester



22

COLORA™ NL
Leveling Agent for Nylon

Low-foaming anionic leveling agent suitable for acid and metal-complex dyeing of nylon, wool and nylon blends.

Key Functions

- Controlled dye uptake
- Improved levelness
- Stable performance in acidic baths

Fiber Compatibility

- Nylon
 - Wool
 - Nylon blends
-

23

COLORA™ Neutra AC
Neutralization agent

Mixture of non-volatile organic acids developed for dyeing and printing processes. Designed to effectively neutralize residues and stabilize process conditions.

Key Functions

- Effective neutralization
- Non-volatile acid system
- Process stability

Fiber Compatibility

- Cotton
- Polyester
- Blends



CLARIS™

Removes unfixed dyes after dyeing, preventing redeposition and enhancing color cleanliness and wash fastness.



24 **CLARIS™ Washoff JLR**
Low-temperature washing-off agent

Low-temperature soaping agent developed to remove unfixed dyes from cellulosic fibers. Improves process efficiency by reducing energy consumption, processing time, and overall costs.

Key Functions

- Effective removal of unfixed dyes
- Low-temperature performance
- Energy and cost savings

Fiber Compatibility

- Cellulosic fibers

25 **CLARIS™ Washoff RSL**
Washing-off agent

Washing-off agent for dyeing and printing processes. Prevents insolubilization and precipitation of unfixed dyes caused by system or fiber hardness, ensuring efficient removal and improved wash fastness.

Key Functions

- Removal of unfixed dyes
- Hardness-related precipitation control
- Improved wash fastness

Fiber Compatibility

- Cotton
- Polyester
- Blends



REVIA™

Corrects and restores dyed fabrics through controlled reductive cleaning, removing residues and enabling shade correction when needed.



26 **REVIATM Clean PES**
Reductive cleaning agent for polyester

Liquid auxiliary with reductive effect developed for disperse dye cleaning processes. Applied directly in acidic dye baths, it avoids pH changes while ensuring effective reductive washing and process stability.

Key Functions

- Reductive cleaning effect
- Direct application in acidic baths
- Stable pH during processing

Fiber Compatibility

- Polyester & Acrylic
- Cellulose Acetate
- Blends

27 **REVIATM WOH-40**
Sulfur-free reductive cleaning agent

Biodegradable reduction clearing agent developed for use after polyester dyeing. Sulfur-free formulation designed to replace sodium hydrosulfite while ensuring effective post-dye cleaning.

Key Functions

- Biodegradable formulation
- Sulfur-free system
- Alternative to sodium hydrosulfite

Fiber Compatibility

- Polyester

28 **REVIATM Clear B**
Eco-friendly reductive cleaner

Ecological reduction cleaning agent developed for polyester dyeing and blends with cellulosic fibers, ensuring effective post-dye cleaning and process

Key Functions

- Ecological reduction cleaning
- Effective post-dye treatment
- Process reliability

Fiber Compatibility

- Polyester
- Cellulosic blends



Chapter III



Printing

Chemical systems that give form, definition and durability to textile printing.

Category Products:

→ PRINTIA™

→ ADHERA™

PRINTIA™

Shapes printing performance by providing structure, control and consistency from print paste preparation to final fabric appearance.



29 **PRINTIA™ Thickener AD-FL**
Printing Thickener

Synthetic thickener developed for pigment printing applications. Suitable for flat, rotary, and roller printing on cellulosic substrates, ensuring stable viscosity and consistent print definition.

Key Functions

- Stable viscosity control
- Suitable for multiple printing systems
- Consistent print definition

Fiber Compatibility

- Cellulosic fibers

30 **PRINTIA™ Fixer CAT-F**
Cationic Fixing Agent

Cationic auxiliary designed to enhance fixation and fastness in pigment and reactive printing systems.

Key Functions

- Improved color fixation
- Reduced pigment migration
- Enhanced durability

Fiber Compatibility

- Cotton
- Cellulosic fibers



ADHERA™

Secures printed and finished results through binding, crosslinking and fixation systems designed for durability and long-lasting performance.



31 **ADHERA™ Binder NFM**
Binder (Pigment Printing)

Binder used in pigment printing. When combined with ADHERA™ Fix PFTL, it forms a high-performance binder system delivering durable pigment prints with strong fastness properties.

Key Functions

- Pigment anchorage
- Print durability
- System performance with crosslinker

Fiber Compatibility

- Cellulosics
 - Blends
-

32 **ADHERA™ Fix PFTL**
Crosslinking Fixing Agent (Formaldehyde-free)

Stabilized, formaldehyde-free crosslinking agent designed to improve wet fastness properties of pigment prints.

Key Functions

- Wet fastness improvement
- Print fixation
- System crosslinking

Fiber Compatibility

- Cellulosics
 - Blends
-

33 **ADHERA™ WF Liquid**
Crosslinker (Formaldehyde-free resin finishing)

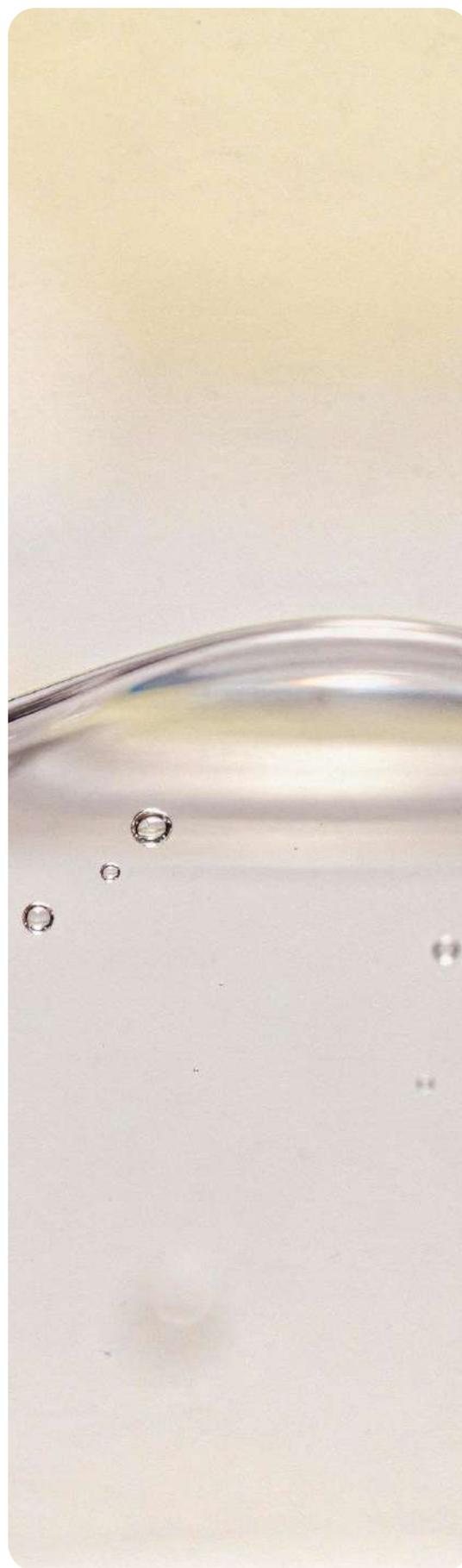
Modified DMDHEU-based crosslinking agent for formaldehyde-free resin finishing of woven and knitted cellulosic fabrics and their blends with synthetics.

Key Functions

- Resin finishing support
- Durability
- Easy-care performance

Fiber Compatibility

- Cellulosics
- Cellulosic/Synthetic blends



34 **ADHERA™ Resin SF**
Technical Crosslinker / Resin System

Crosslinking agent for technical textile finishing. On synthetic fiber materials, it produces a resilient stiff finish.

Key Functions

- Structural finishing
- Resilient stiffness
- Technical performance

Fiber Compatibility

- Synthetic fibers

35 **ADHERA™ Catalyst DN**
Catalyst (for resin/crosslinker systems)

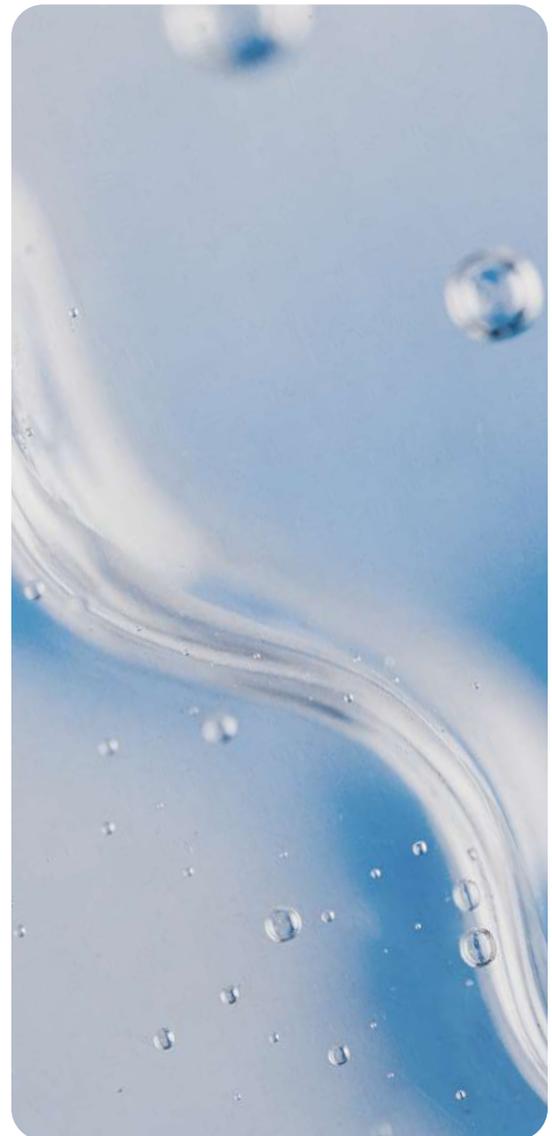
Inorganic salt solution catalyst used with ADHERA™ Cross WF Liquid in resin finishing of cellulosic fabrics and blends with synthetics.

Key Functions

- Curing activation
- Resin system performance
- Reliable crosslinking

Fiber Compatibility

- Cellulosics
- Cellulosic/synthetic blends



Chapter IV



Finishing & Performance

Finishes that enhance touch, protection and functional performance.

Category Products:

→ FLUENA™

→ NEXERA™

→ VESTA™

→ SURFA™

FLUENA™

Enhances fabric hand feel and drape using softening systems designed for comfort, aesthetics and lasting textile performance.



36 **FLUENA™ SIK 3021**
Silicone Softener

Amino-modified silicone softener that provides exceptional smoothness, elasticity and silk-like handfeel without yellowing.

Key Functions

- Premium softness
- Improved elasticity
- Enhanced surface smoothness

Fiber Compatibility

- Cotton
- Synthetic fibers
- Blends

37 **FLUENA™ Soft FCR**
Softening Auxiliary

Slightly cationic softener providing soft hand and excellent lubrication for sewing and napping processes.

Key Functions

- Soft hand effect
- Sewing lubrication
- Napping performance support

Fiber Compatibility

- Cellulosic fibers
- Blends

38 **FLUENA™ Soft ANL 25**
Yarn Lubricating Softener

Nonionic softener developed to provide excellent softness and lubrication to yarns during weaving processes.

Key Functions

- Yarn lubrication
- Improved weaving performance
- Softness enhancement

Fiber Compatibility

- Yarn applications
- Cellulosic and synthetic fibers



39 **FLUENA™ Soft A25**
Polyethylene Softener

High-density polyethylene-based softener and lubricant designed to improve sewability in woven and knitted garments, providing a smooth and soft hand.

Key Functions

- Enhanced sewability
- Improved fabric lubrication
- Soft hand feel

Fiber Compatibility

- Woven fabrics
- Knitted fabrics

40 **FLUENA™ Silk 4021**
Hydrophilic Silicone Softener

Cationic hydrophilic silicone emulsion developed to deliver superior softness on cotton and cotton blends, meeting high softness performance requirements.

Key Functions

- High softness performance
- Hydrophilic silicone system
- Smooth hand feel

Fiber Compatibility

- Cotton
- Cotton blends

41 **FLUENA™ Soft CP**
Non-Silicone Softener

Cationic, non-silicone softener suitable for all fiber types, providing balanced softness and finishing performance.

Key Functions

- Universal fiber compatibility
- Balanced softness
- Silicone-free system

Fiber Compatibility

- Cellulosic fibers
- Synthetic fibers
- Blends



NEXERA™

Protects fabric surfaces while managing moisture, repellency and functional performance under repeated use and laundering.



42 **NEXERA™ Moist PRK**
Moisture Management Finish

Nonionic hydrophilic finish developed to improve moisture absorption and comfort in polyester fabrics while maintaining a soft handfeel.

Key Functions

- Moisture absorption
- Comfort enhancement
- Hydrophilicity

Fiber Compatibility

- Polyester
- Synthetic fibers

43 **NEXERA™ Moist A25**
Hydrophilic & Antistatic Finish

Hydrophilic finishing agent for synthetic fibers that delivers antistatic properties, reduces free formaldehyde content in finishing recipes, and improves fabric softness.

Key Functions

- Moisture management
- Antistatic effect
- Reduced chalk marking

Fiber Compatibility

- Synthetic fibers
- Blends

44 **NEXERA™ Guard SR-C**
Soil Release Finish (Cellulosics)

Fluorochemical-based finishing agent designed to impart soil release properties on cellulosic fabrics, facilitating easier stain removal during laundering.

Key Functions

- Soil release
- Improved washability
- Durable performance

Fiber Compatibility

- Cotton
- Cellulosic fibers



45 **NEXERA™ Guard SRP**
Soil Release Finish (Synthetics)

Durable finishing agent that delivers soil release and antistatic properties while increasing moisture absorbency in polyester fabrics.

Key Functions

- Soil release
- Antistatic behavior
- Enhanced comfort

Fiber Compatibility

- Polyester
- Synthetic fibers

46 **NEXERA™ Guard WOR-C6**
Water & Oil Repellent Finish

C6-based durable water- and oil-repellent finish suitable for natural and synthetic fibers, providing protection without compromising fabric appearance.

Key Functions

- Water repellency
- Oil repellency
- Durable protection

Fiber Compatibility

- | | |
|--------|------------------|
| Cotton | Silk |
| Wool | Synthetic fibers |

47 **NEXERA™ Guard WR-NF**
Fluorine-Free Water Repellent

Non-fluorinated hydrophobic finishing agent delivering durable water repellency with a soft handle and non-yellowing performance.

Key Functions

- Water repellency
- Fluorine-free formulation
- Soft handfeel

Fiber Compatibility

- Cellulosic fibers
- Synthetic fibers
- Blends



48

NEXERA™ Guard UVP
UV Protection Finish

UV-absorbing finishing agent designed for polyester fabrics and yarns, increasing the SPF value of knitted and woven textiles.

Key Functions

- UV absorption
- SPF enhancement
- Outdoor performance

Fiber Compatibility

- Polyester
- Synthetic fibers

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NEXERA™ Guard FRS
Flame Retardant Finish

Nonionic flame-retardant finishing agent developed for synthetic fibers, providing enhanced fire resistance for technical and protective textiles.

Key Functions

- Flame retardancy
- Safety compliance
- Durable protection

Fiber Compatibility

- Synthetic fibers



VESTA™

Reinforces fiber durability by delivering protective finishes that improve resistance, stability and long-term fabric integrity.



50 **VESTA™ CF-105**
Performance Softener

Nonionic to slightly cationic softener with high thermal stability. Developed to significantly improve sewability of garments made from cellulosic and synthetic fibers, delivering an extra-soft hand.

Key Functions

- High heat stability
- Enhanced sewability
- Extra-soft hand feel

Fiber Compatibility

- Cellulosic fibers
 - Synthetic fibers
 - Blends
-

51 **VESTA™ Soft CP**
Non-Silicone Softener

Cationic, non-silicone softener suitable for all fiber types, providing balanced softness and finishing performance, and effective for fatty acids.

Key Functions

- Universal fiber compatibility
- Balanced softness
- Silicone-free system

Fiber Compatibility

- Cellulosic fibers
 - Synthetic fibers
 - Blends
-

52 **VESTA™ Silk WAC-75**
Hydrophilic Silicone Softener

Nonionic hydrophilic silicone emulsion delivering superior softness in woven and knitted cotton fabrics and their blends.

Key Functions

- Hydrophilic silicone system
- Superior softness
- Suitable for woven and knits

Fiber Compatibility

- Cotton
- Cotton blends



53

VESTA™ Silk WAC-2
Hydrophilic Silicone Softener

Nonionic hydrophilic silicone emulsion designed to provide excellent softness in woven and knitted cotton fabrics and their blends.

Key Functions

- Excellent softness performance
- Hydrophilic properties
- Consistent finishing results

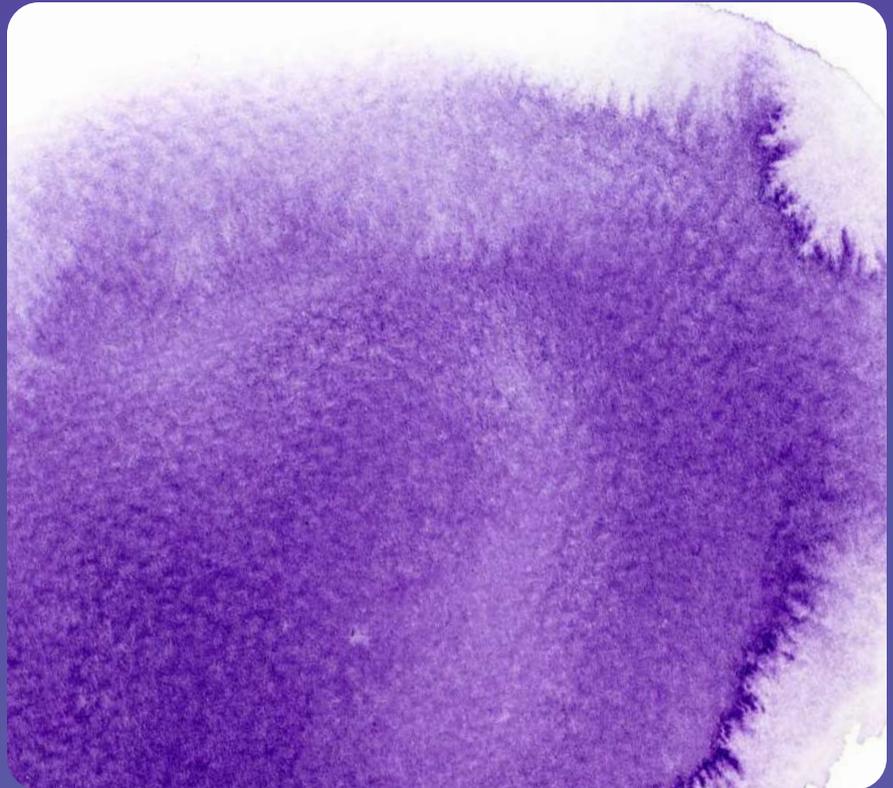
Fiber Compatibility

- Cotton
- Cotton blends



SURFA™

Modifies fiber surfaces using enzymatic systems to improve softness, appearance and controlled surface effects.



54 **SURFA™ AE-50 B**
Acid Cellulase Enzyme

Cellulase enzyme developed for cellulose-based substrates. Reacts with cellulose under acidic conditions (pH 4.5–5.5), producing glucose and glucose polymers while improving fabric hand feel.

Key Functions

- Controlled bio-polishing action
- Improved fabric softness
- Acid pH performance

Fiber Compatibility

- Cellulose based fibers

55 **SURFA™ PL Conc**
Cellulase Enzyme For Stone Wash Effects

Bacterial enzyme developed for cellulosic fibers under acidic conditions. Improves surface appearance and hand feel, supporting stone-wash finishing with reduced stone usage.

Key Functions

- Surface appearance improvement
- Enhanced fabric hand
- Reduced stone usage in finishing

Fiber Compatibility

- Cellulosic fibers

56 **SURFA™ GCL-2**
Neutral cellulase enzyme

Cellulase enzyme developed to operate under neutral pH conditions, ensuring controlled action and process stability on cellulosic substrates.

Key Functions

- Neutral pH performance
- Controlled enzymatic action
- Process stability

Fiber Compatibility

- Cellulosic fibers



Chapter V



Water & Operations

Water treatment and operational solutions for efficient and responsible mills.

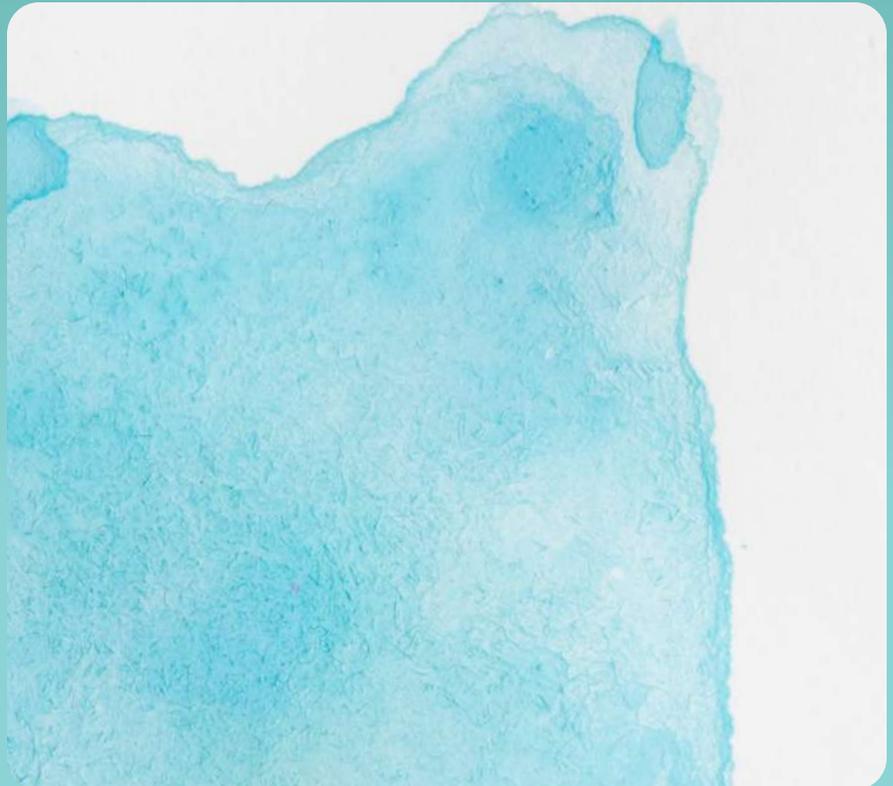
Category Products:

→ HYDRIA™

→ AURIS™

HYDRIA™

Clarifies and conditions water systems to support efficient separation, treatment and operational stability.



57 **HYDRIA™ Tech WT2**
Decolorizing Agent

Cationic water treatment agent designed for rapid decolorization of textile wastewater, improving effluent clarity while reducing chemical oxygen demand (COD).

Key Functions

- Effluent decolorization
- COD reduction
- Rapid settling

Application Scope

- Textile wastewater
- Process water systems

58 **HYDRIA™ Tech WFD**
Polymeric Decolorizing Agent

Cationic polymer that forms organic complexes with dye molecules, enabling efficient color removal, fast settling and improved effluent transparency.

Key Functions

- Dye molecule complexation
- Improved transparency
- Enhanced COD removal

Application Scope

- Textile wastewater
- Dyehouse effluents

59 **HYDRIA™ Flocc 5001**
Coagulant / Flocculant

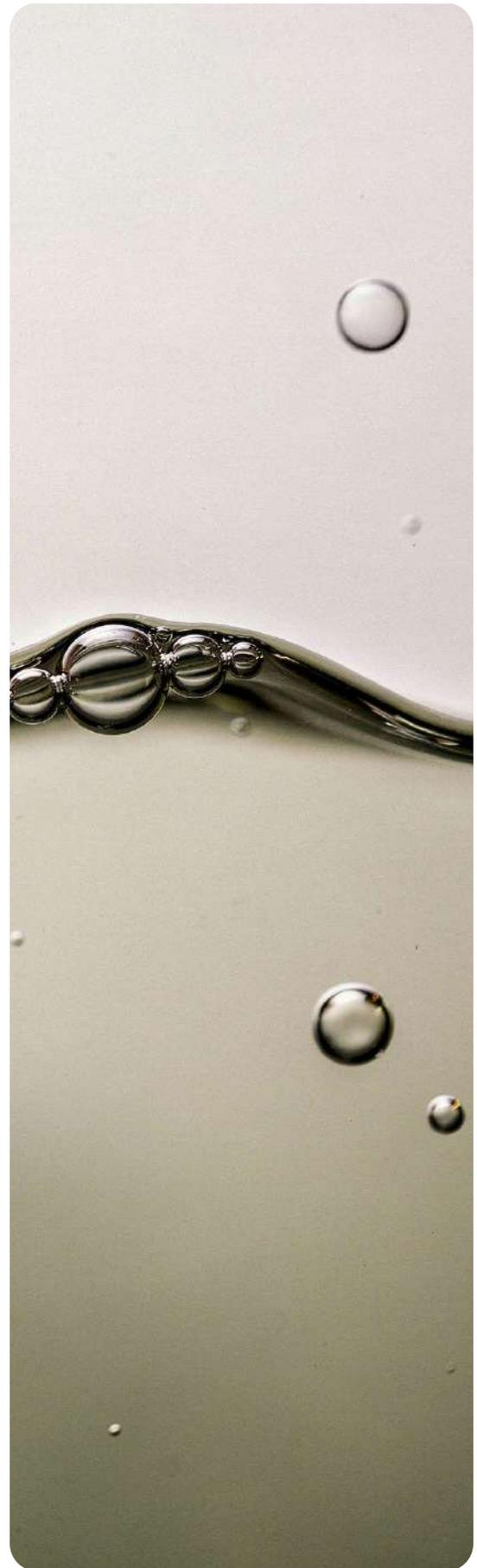
High-performance coagulant designed to improve treatment efficiency of process water, raw water, wastewater and potable water systems.

Key Functions

- Suspended solids removal
- Improved flocculation
- Water clarity enhancement

Application Scope

- Process water
- Wastewater
- Potable water systems



AURIS™

Maintains clean and efficient water systems by controlling microbial growth and preventing system contamination.



60

AURIS™ MC-100
Machine Cleaner & Reducing Agent

Anionic machine cleaner based on biodegradable polymers with natural reducing action, designed to remove oils, waxes, dyestuffs, trimers and oligomers without the need for sodium hydrosulfite.

Key Functions

- Deep machine cleaning
- Oligomer removal
- Metal ion sequestration (Fe, Ca, Mg)

Application Scope

- Dyeing machines
 - Heat-setting equipment
 - Textile processing lines
-

61

AURIS™ MC-SMR
Sulfur-Free Reductive Cleaner

Machine cleaning formulation combining natural reducing agents and surfactants to remove dyes and oligomers without the use of sodium hydrosulfite.

Key Functions

- Sulfur-free cleaning
- Reduced environmental impact
- Effective residue removal

Application Scope

- Dyeing machines
 - Polyester and synthetic fiber lines
-





A strategic alliance with **LANXESS**, combining advanced specialty chemistry with sustainable textile innovation.

62 **SILVADUR™** **930 FLEX** **Antimicrobial**

This solution rigorously meets and exceeds the testing standards required by major global brands and suppliers.



Antimicrobial Protection helps inhibit microbial growth, keeping textiles cleaner, safer, and fresher throughout their lifecycle.



Brand Approved formulated to consistently pass demanding industry performance tests, ensuring compliance with brand and vendor specifications.



Odor Control works at the source to reduce odor-causing bacteria, helping fabrics remain fresh and comfortable during use.



The silver-based formula ensures consistent performance and durability wash after wash, maintaining its antimicrobial effectiveness without ever compromising the quality of the textile.

Why Choose CAFTA-DR?

The CAFTA-DR region is a thriving hub for trade, creating a dynamic landscape rich with opportunities for economic growth and development.

 sierratextiles.com

Nearshoring: Advantages & Opportunities

01 Cost Effective Transportation

With our strategic location and significantly decreased trade barriers and tariffs, we offer cost-effective transportation and reduced expenses.

02 Efficient Production Planning

Our close proximity means shorter lead times, providing you with room for adjustments and the ability to plan production more accurately and effectively.

Financial benefits of working and engaging with the CAFTA-DR region

01 CAFTA-DR removes tariffs and merchandise processing fees on trade.

02 Tariffs do not apply to all U.S. consumer, industrial, and agricultural exports.

03 By the time the agreement is fully implemented on January 1, 2025, all qualifying products will be entirely duty free.





Sustainability Practices

Environmental stewardship guides our daily decisions. Sustainability is woven into how we operate, helping us reduce our footprint while building a healthier planet.

 sierratextiles.com/sustainability



Clean Energy

256 megawatts of energy are produced in the solar park at Honduras



Water Treatment

20,000 kiloliters of filtered water are daily returned to the environment from our treatment plant.



2030 Commitment

We promise to reduce our CO2 emissions to zero by 2030.



Trees Plantation

Over 200K trees were planted in the Central America region in 2022.



Turning Plastic Bottles into Raw Materials

250 million plastic bottles have been converted to textile raw materials.



Efficiency Operations

90% of our administrative operation waste is recycled, aiming for 100% by 2030





Want to learn more about our products and what can we offer to you?

Scan the QR and let's connect.

 hello@sierratextiles.com

 sierratextiles.com
