

# YARNS FOR SEAMLESS

Athleisure & Performance Apparel



CU-1000441

CERTIFIED QUALITY

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**NYLSTAR**  
HYDROGEN TECHNOLOGIES



# NYLSTAR

HYDROGEN TECHNOLOGIES

## R-ENGINEERING THE PRESENT OF APPAREL

NYLSTAR has developed a special range of premium advanced yarns for Seamless collections.

Our technology starts from the very hydrogen atom, and engineers the highest quality fiber molecular structure, with strong hydrogen chains which bring strength, natural elasticity, high recovery, and avoids the release of microfibers into the air and water.

By playing with cross-sections, tenacities and deniers, NYLSTAR delivers the world's most advanced yarns and fabrics. Completely sustainable, solvent-free eco dye solutions, and fully recyclable. With a focus on superior performance, unmatched durability, and exceptional touch.

# ZERO MICROPLASTIC POLLUTION

Microplastic pollution is currently one of the most serious environmental problems.

Textile products generate a large amount of microplastics that are released during use and washes, polluting air and water.

Thanks to NYLSTAR's Hydrogen Technologies, we prevent our garments from releasing microplastics, ensuring maximum protection for people, our oceans and the environment.

 Watch the video

# ZERO USE OF WATER

500 tons/month of NYLSTAR's yarn = 5.000 millions of liters of water saved (compared to standard cotton fiber).

With water savings resulting from 500 tons of NYLSTAR's yarn per month, **the Aral Sea could be replenished in 45 years.**

$$5.000.000.000 \times 2 \times 5 = 50.000.000.000 \text{ liters} \times 12 \text{ months} = 600000000000 \text{ liters} = 0.6 \text{ km}^3$$

**ARAL SEA VOLUME:** 27Km<sup>3</sup>=  
 $270000000000000 / 600000000000 = 45 \text{ years}$

 Watch the video

# WATERLESS DYEING

NYLSTAR developed a sustainable waterless dyeing technology Meryl® Ecodye. The color is added during the yarn extrusion process, completely eliminating the traditional dyeing step of fabrics and garments.

Meryl® Ecodye offers a high-quality color with excellent fastness properties, greater absorption, and a softer touch, along with being environmentally friendly.

Zero Water, Zero Energy, Zero Waste and Zero Auxiliary Chemicals.

 Watch the video

# SOLVENTS & SILICONES FREE

Meryl® yarns have been developed as performance yarns with outstanding properties without the need for any topical chemical treatments to either the yarn, fabric or garment.

No use of silicones or softeners is needed to enhance the Meryl® touch.

 Watch the video

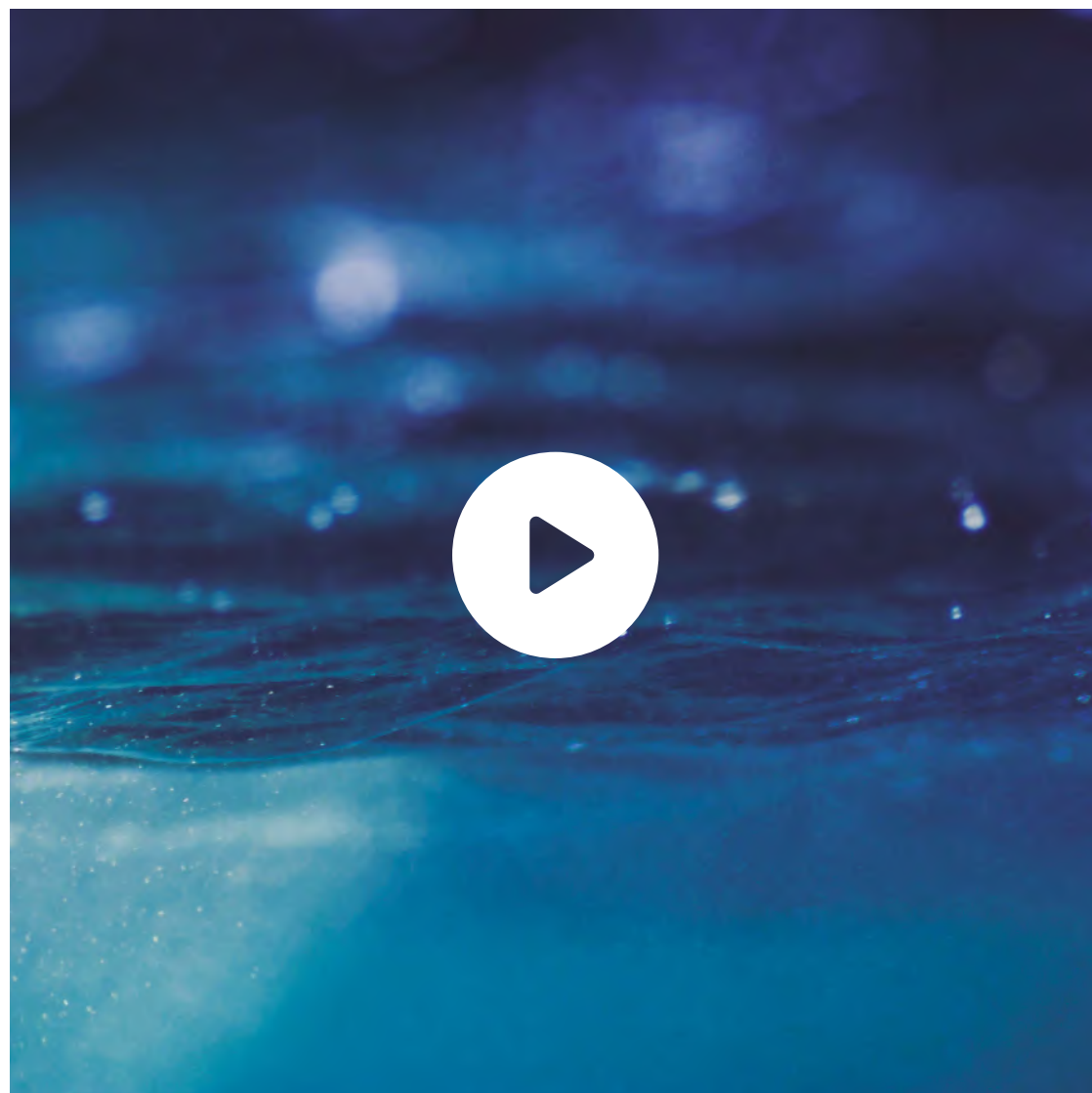


# YARNS & TOUCHES

## MERYL® HYDROGEN

Meryl® Hydrogen has been developed as a high performance yarn with outstanding properties without the need of any chemical treatments on the yarn, fabrics or garments.

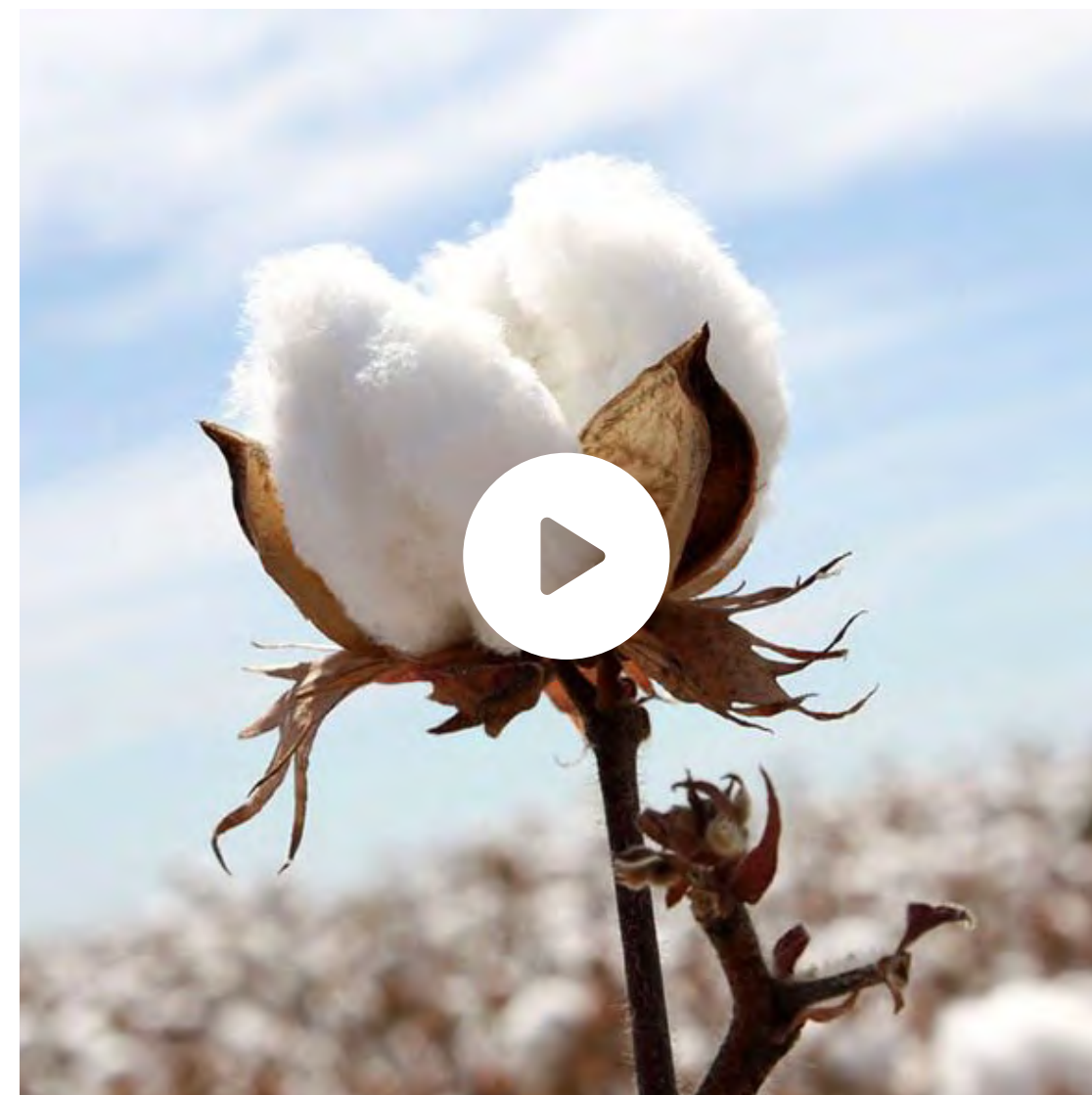
Meryl® Hydrogen is providing supremely soft touch and ultimate absorption, while giving to your skin significant hydrating effect.



## MERYL® NATEO

Nylstar's sustainable alternative to cotton with improved moisture management and durability. NATEO is the perfect combination of easy care properties and a cotton touch.

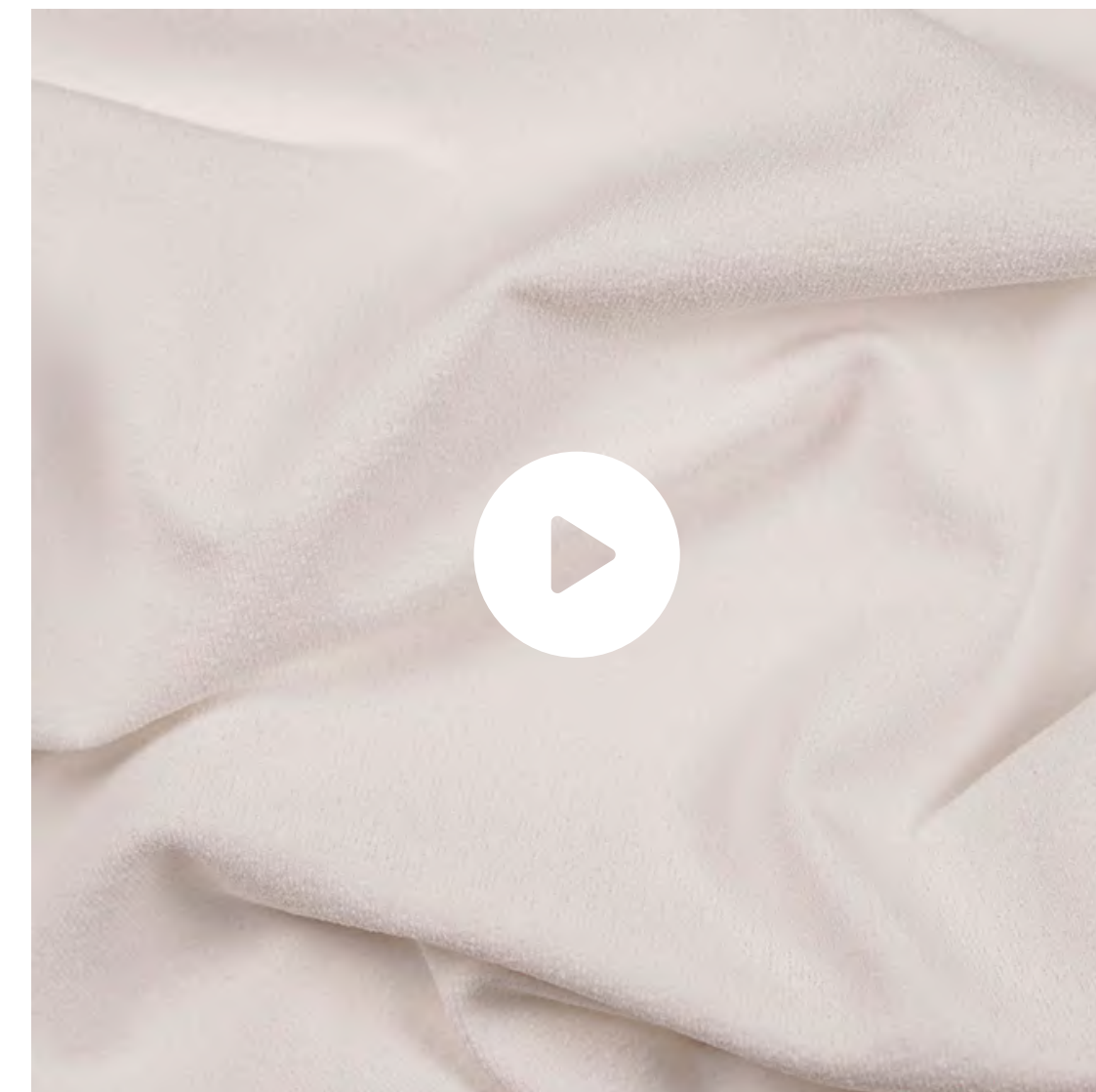
Compared to standard cotton, NATEO has improved performance and resistance, offering a soft cotton touch with better moisture management and durability.



## MERYL® SUBLIME

The Silky Touch yarn has been traditionally crafted in Blanes factory since 1953 and it is one of the finest yarns in the world, allowing it to create the most unique pieces.

A technology that is based on Fully Drawn Yarn, which uses the traditional two-step drawing process Nylstar is famous for. Thanks to this technology, the yarn has an unparalleled silky and cool touch.



## MERYL® SENSE

An exclusive range of yarns specifically selected and designed for high-tech premium knitwear. Inherently engineered with odor control technology and natural stretch. Designed to meet the ultimate standards of comfort and performance for every occasion

Meryl® Sense is a combination of the cool touch of Sublime, together with the softest touch of Hydrogen.

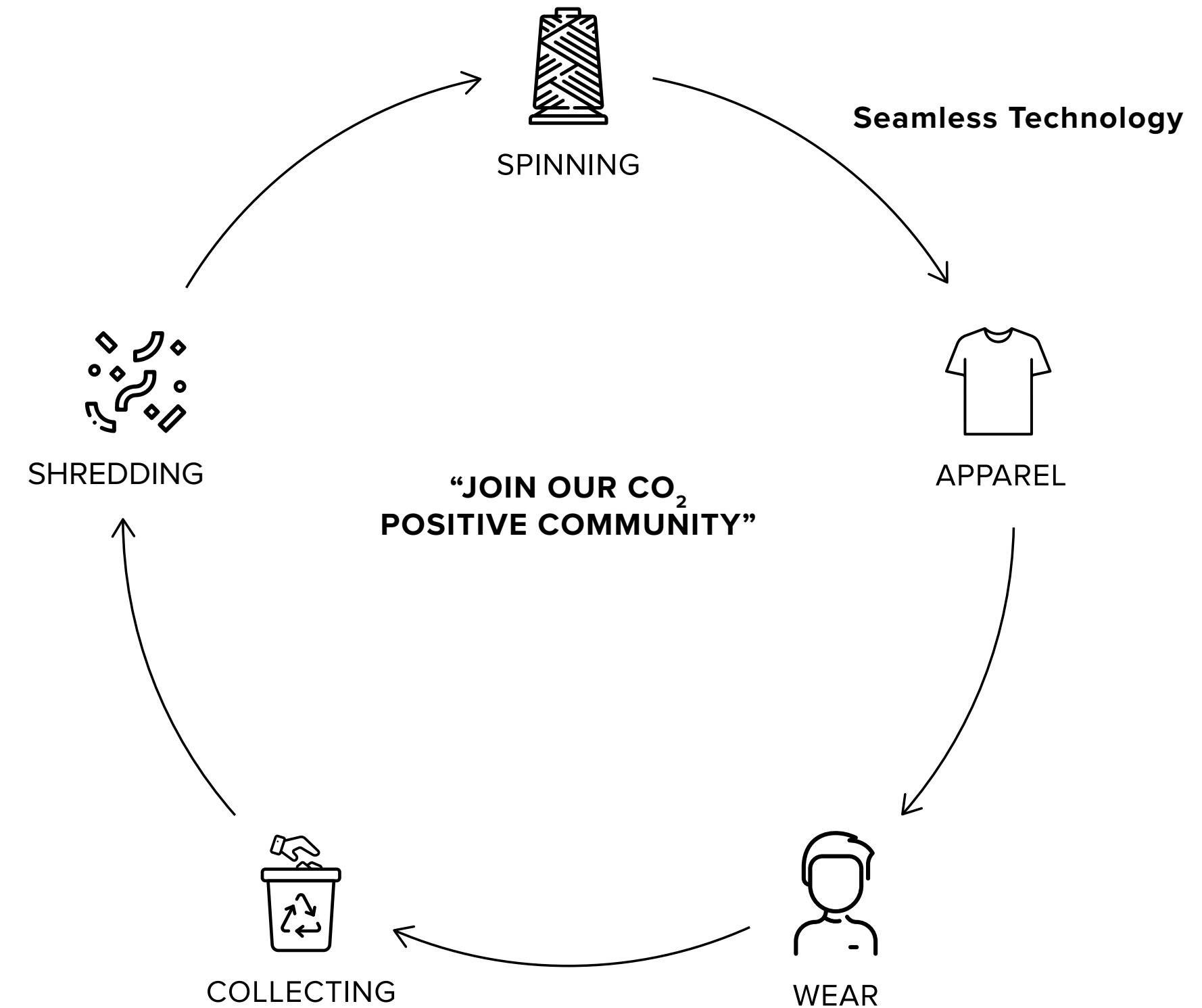


# Y2G2Y

## FROM YARN TO GARMENT TO YARN

By combining Nylstar's premium yarns and your Seamless Technology, we can go directly from yarn to garment and back to yarn. Avoiding in this way any textile waste, and ensuring a real circular economy, GRS pre and post-consumer certified.

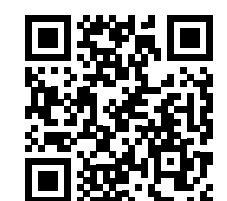
Nylstar recently has inaugurated its own Collecting & Recycling Center, where you can have your own exclusive space to return the textile waste. After shredding, new 100% recycled yarn will be spun.



POST-CONSUMER RECYCLA-BLE

ECODYE

SOLVENTS & SILICONES FREE



# HYDROGEN

## GOOD FOR YOU

BREATHABLE

ODOR CONTROL & ANTIBACTERIAL

MOISTURE MANAGEMENT

+27% SKIN HYDRATION IN 7 DAYS

UPF +50

EXCEPTIONAL SOFT TOUCH



## GOOD FOR THE PLANET

ZERO AIR & WATER MICROPLASTIC RELEASE

SOLVENTS & SILICONES FREE

ZERO WATER

NATURAL STRETCH & 100% RECYCLABLE

100% RECYCLABLE



Outside Yarn: Meryl® Hydrogen Skinlife 44/48/2  
Plating: Meryl® Hydrogen Skinlife 44/48/1  
Machine inch: 17”  
Gauge: 28  
Weight: 156g/m<sup>2</sup>  
Composition: 100% Meryl®

**Other yarn options:** 78/68 and 88/96

\*Available in Skinlife, Hyaluronan, Ecodye Waterless Technology and Recycled version.

# NATEO

## GOOD FOR YOU

## GOOD FOR THE PLANET

COTTON TOUCH

BREATHABLE

ODOR & BACTERIAL CONTROL BLOCK

HUMIDITY MANAGEMENT

+27% SKIN HYDRATION IN 7 DAYS

UPF +50

ZERO AIR & WATER MICROPLASTIC RELEASE

SOLVENTS & SILICONES FREE

ZERO WATER

NATURAL STRETCH & 100% RECYCLABLE



Outside Yarn: Meryl® Nateo 100/96/1  
Plating: Meryl® Hydrogen Skinlife 44/48/1  
Machine inch: 17”  
Gauge: 28  
Weight: 145g/m<sup>2</sup>  
Composition: 100% Meryl®

**Other yarn options:** 190/136

\*Available in Skinlife, Hyaluronan, Ecodye Waterless Technology and Recycled version.

# SUBLIME

## GOOD FOR YOU

SILKY & COOL TOUCH

BREATHABLE

ODOR & BACTERIAL CONTROL BLOCK

HUMIDITY MANAGEMENT

+27% SKIN HYDRATION IN 7 DAYS

UPF +50

## GOOD FOR THE PLANET

ZERO AIR & WATER MICROPLASTIC RELEASE

SOLVENTS & SILICONES FREE

ZERO WATER

NATURAL STRETCH & 100% RECYCLABLE



Outside Yarn: Meryl® Sublime 78/96/2  
Plating: Meryl® Hydrogen Skinlife 44/48/1  
Machine inch: 16”  
Gauge: 28  
Weight: 196g/m<sup>2</sup>  
Composition: 100% Meryl®

**Other yarn options:** 44/48, 44/96, 78/68, 88/96

\*Available in Skinlife, Hyaluronan, Ecodye Waterless Technology and Recycled version.



# SENSE

## GOOD FOR YOU

EXCEPTIONAL TOUCH

ULTIMATE COMFORT

ODOR CONTROL

BREATHABILITY

+27% SKIN HYDRATION IN 7 DAYS

UPF +50

## GOOD FOR THE PLANET

ZERO AIR & WATER MICROPLASTIC RELEASE

SOLVENTS & SILICONES FREE

ZERO WATER

NATURAL STRETCH & 100% RECYCLABLE



Yarn options:

Nm 2/26 Meryl® Sense

Nm 14,5 Meryl® Fettuccia

\*Available in Skinlife, Hyaluronan, Ecodye Waterless Technology and Recycled version.

# PERFORMANCE YARN TECHNOLOGIES

That can be applied to all Meryl® yarns

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**NYLSTAR**  
HYDROGEN TECHNOLOGIES

# NEXTEN TECHNOLOGY

THE TECHNOLOGY THAT BALANCES YOUR BODY TEMPEARATURE

**NYLSTAR**  
HYDROGEN TECHNOLOGIES

## GOOD FOR YOU

NATURAL BREATHABILITY

EXTRACTION OF HUMIDITY

THERMOREGULATION TECHNOLOGY

+27% SKIN HYDRATION IN 7 DAYS

LIGHTWEIGHT WITH HIGH VOLUME

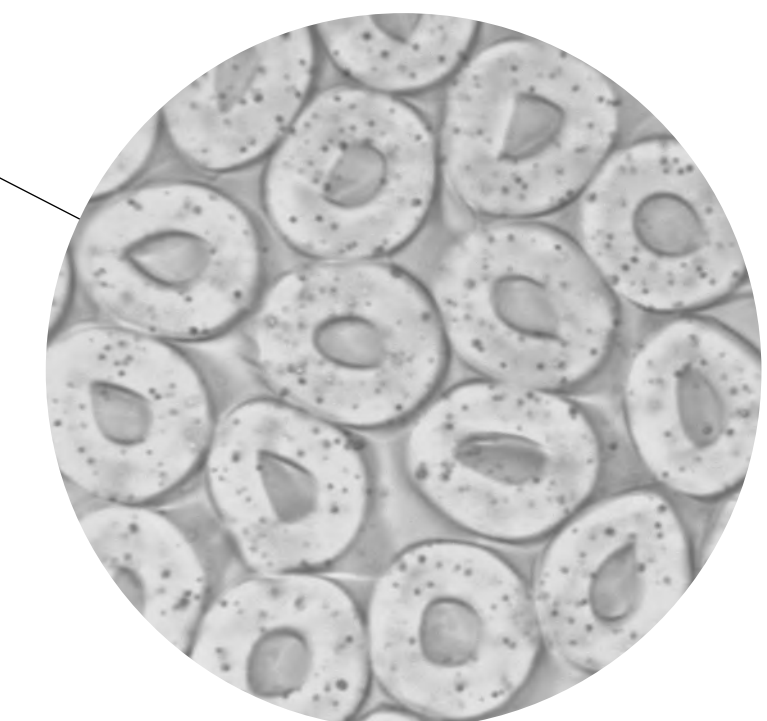
## GOOD FOR THE PLANET

ZERO AIR & WATER MICROPLASTIC RELEASE

SOLVENTS & SILICONES FREE

NATURAL STRETCH & 100% RECYCLABLE

BREATHABILITY



Microscope view of a perfectly crafted hollow cross section of the yarn (17µm 60f30 SD HO, DPF 2)



CU-1000441

POST-CONSUMER RECYCLABLE



CU-1000441

ECODYE



CU-1000441

SOLVENTS & SILICONES FREE

# SUPERDRY TECHNOLOGY

THE TECHNOLOGY FOR ULTIMATE WICKING AND QUICK DRY

**NYLSTAR**  
HYDROGEN TECHNOLOGIES

## GOOD FOR YOU

ULTIMATE MOISTURE MANAGEMENT

QUICK DRY

EFFECTIVE BARRIER TO TEMPERATURE CHANGES

+27% SKIN HYDRATION IN 7 DAYS

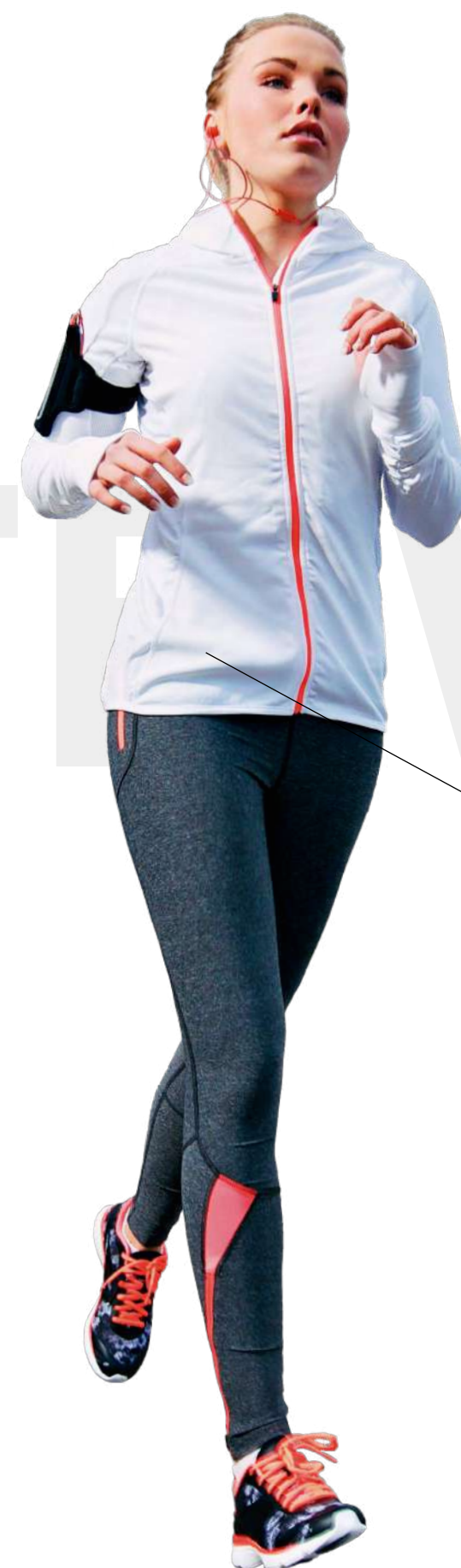
LIGHTWEIGHT

## GOOD FOR THE PLANET

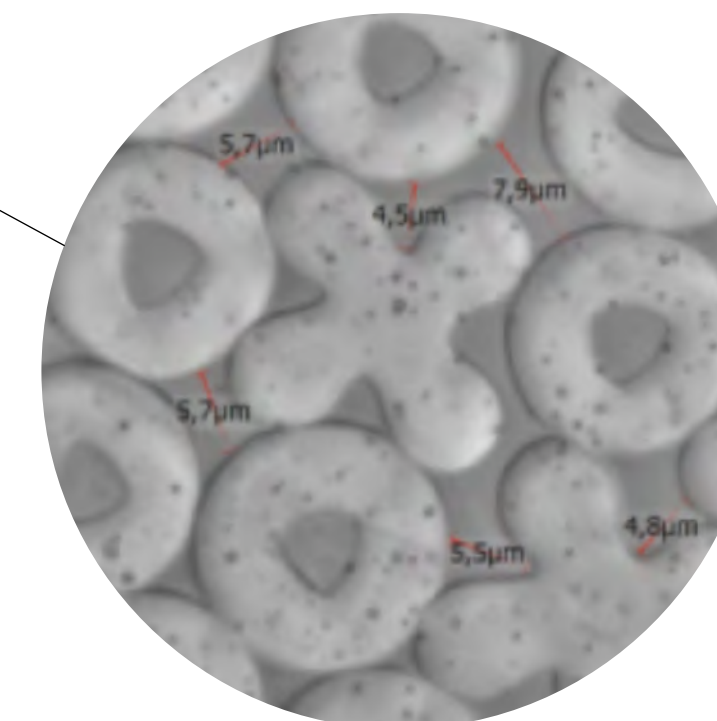
ZERO AIR & WATER MICROPLASTIC RELEASE

SOLVENTS & SILICONES FREE

NATURAL STRETCH & 100% RECYCLABLE



ULTIMATE WICKING



Microscope view of a perfectly crafted hollow and tetralobal cross section of the yarn



POST-CONSUMER RECYCLABLE

ECODYE

SOLVENTS & SILICONES FREE

# ADVANCED YARN TECHNOLOGIES

That can be applied to all Meryl® yarns

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# SKINLIFE TECHNOLOGY

Skinlife is an antimicrobial and odor-control technology, which infuses silver-ion active ingredients into the matrix of the yarn. This advanced technology ensures that no germs or microbes can grow in the fabric and cause unpleasant odors.

Skinlife technology has a permanent effect in the garment. Its effectivity is tested up to 100 washes at 40 °C. Garments made with Meryl® Skinlife don't need a frequent wash, saving 60 liters of water during one domestic washing.

04  
PHASE SWEATING  
●●●●●

161 BPM  
00:50:00

BACTERIA PROLIFERATION

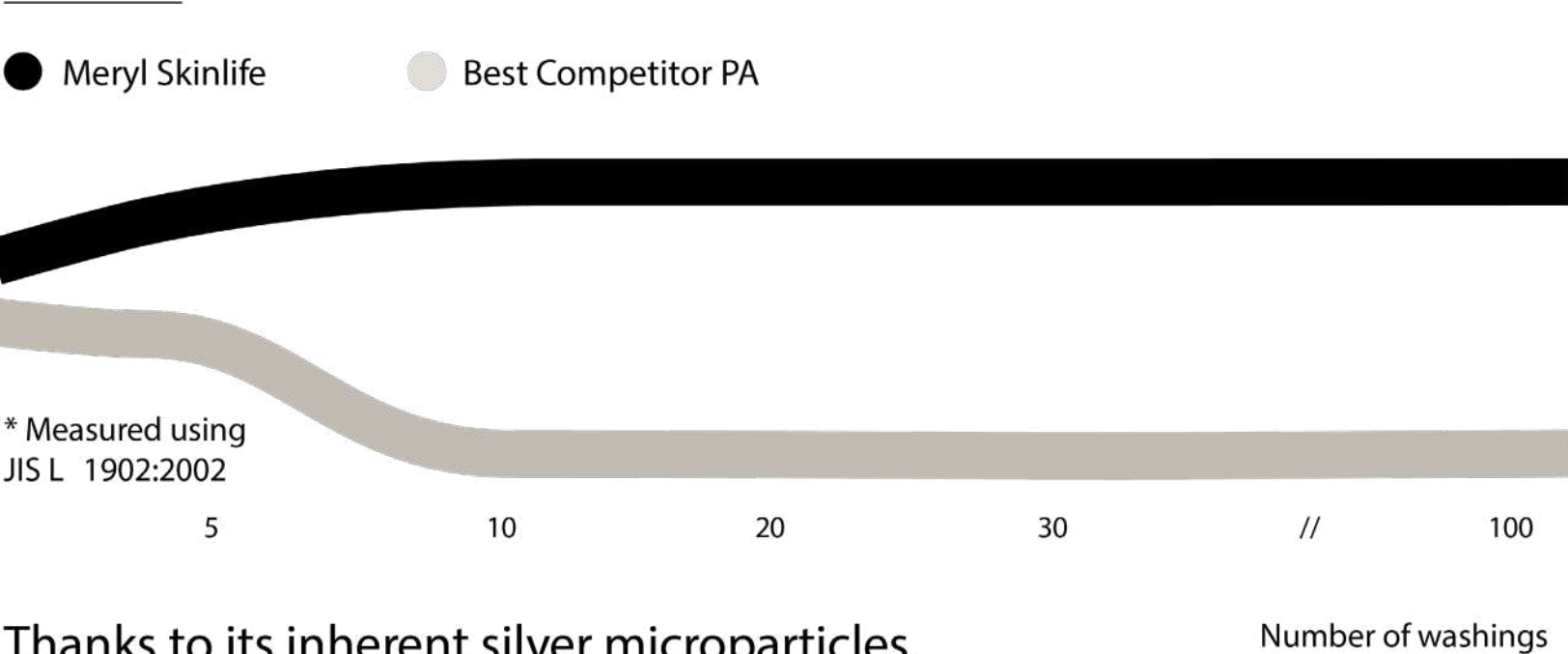
2 % MERYL SKINLIFE

35% COTTON

51% POLYESTER

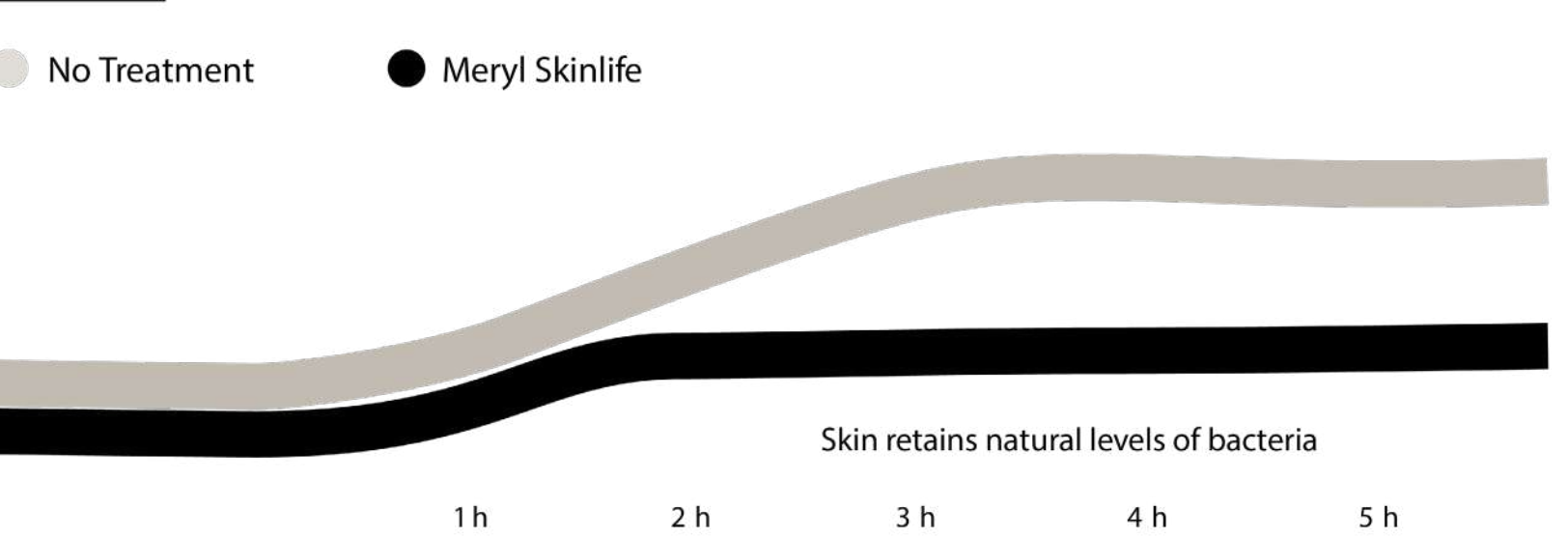
The natural efficiency of Meryl fabrics against body odor can be converted to complete bacteria control

## Meryl Skinlife is permanent



Thanks to its inherent silver microparticles, Meryl Skinlife is present in the garment after more than 100 washes.

## Maintains the natural balance of the skin



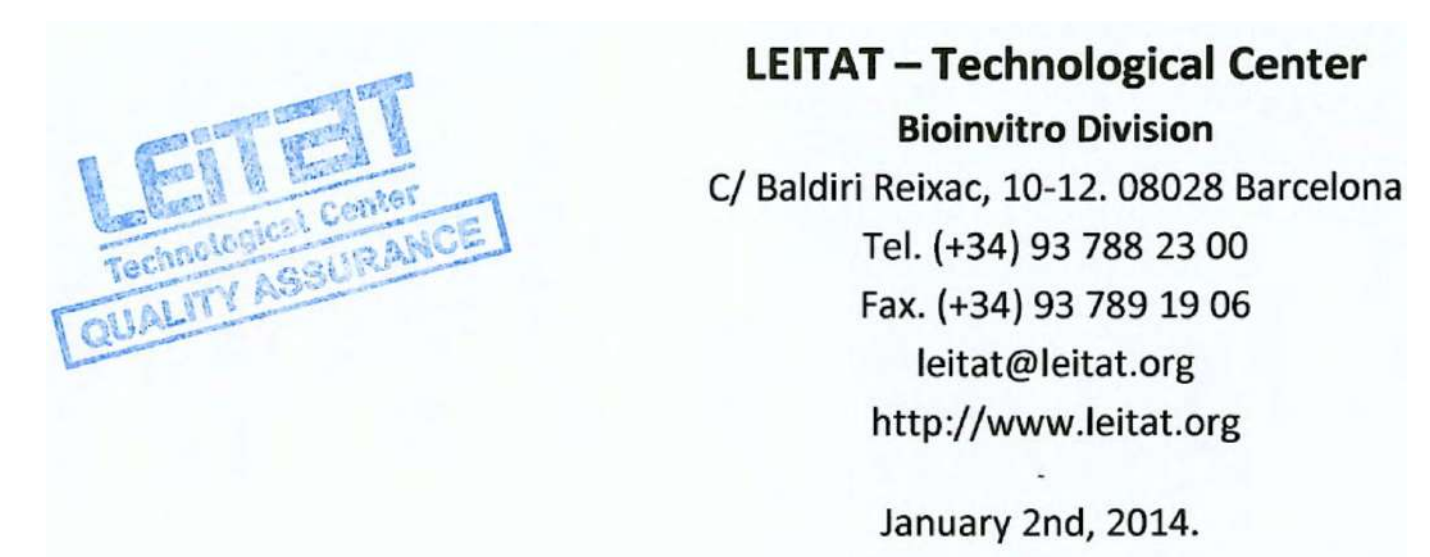
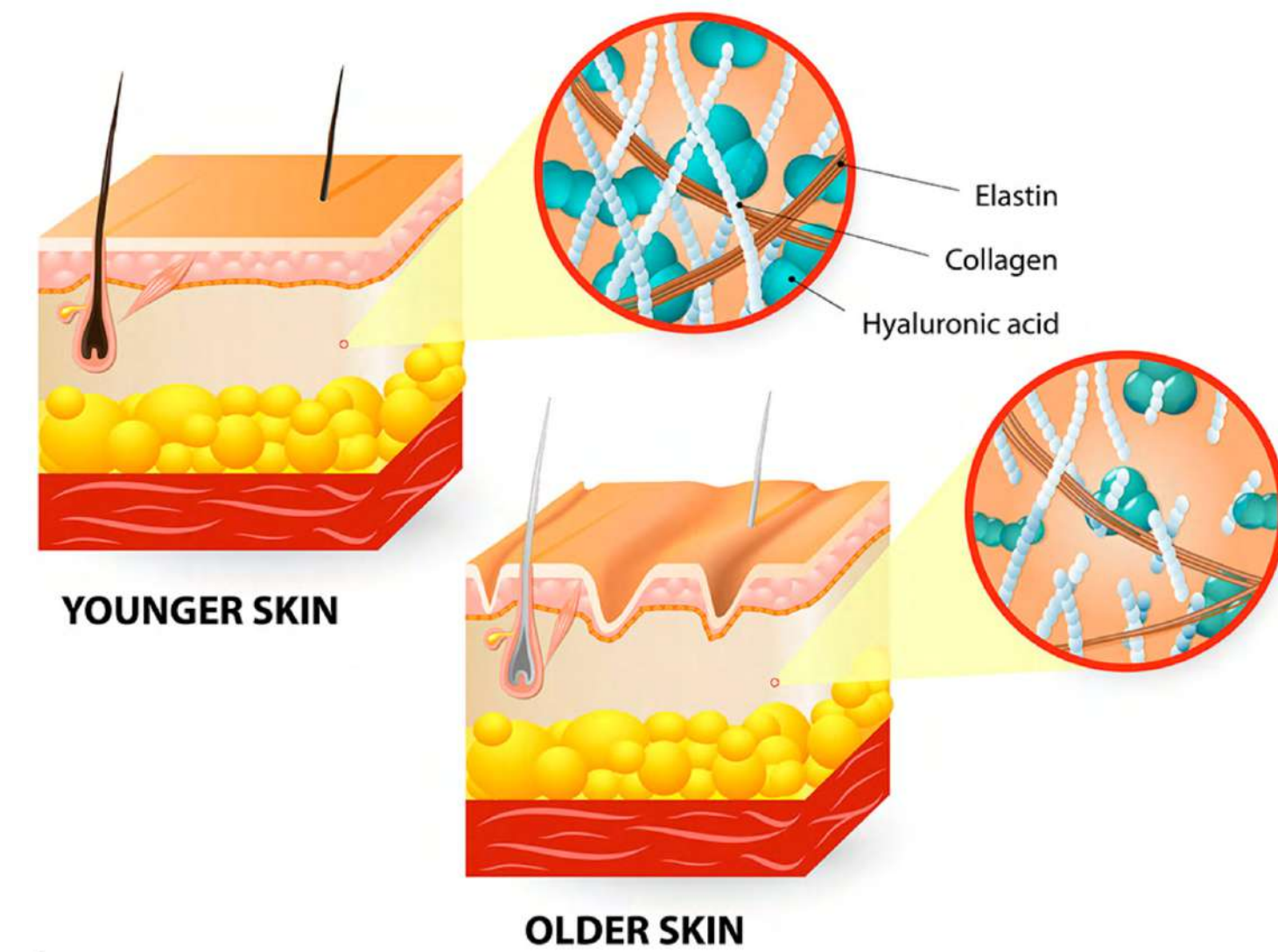
Human skin normally has bacteria presence. A high level of bacteria, as well as a complete absence, creates various problems (allergy, odor, illness, etc.) Meryl Skinlife is not a bactericide: it does not decrease the bacteria level lower than what is normally present on the skin.

Skinlife maintains the well-being and balance of the skin and complies with Oeko-Tex 100 Standard, certified as hypoallergenic and non-toxic for the skin.

# MERYL® HYALURONAN

Meryl® Hyaluronan is an anti-aging polyamide microfiber that bonds two deluxe ingredients: gold and hyaluronic acid (HA), a product widely used in cosmetics. Meryl® Hyaluronan marks a new era for high-end well-being performance fashion textiles. The only fiber that bonds hyaluronic acid into its DNA.

MOISTURIZING, ANTIOXIDANT & FIRMING EFFECT



# ECODYE WATERLESS TECHNOLOGY

NYLSTAR developed a sustainable waterless dyeing technology called Ecodye. The color is added during the yarn extrusion process, completely eliminating the traditional dyeing step of fabrics and garments.

Ecodye offers a high-quality color with excellent fastness properties, greater absorption, and a softer touch, along with being environmentally friendly.



ZERO WATER

ZERO ENERGY

ZERO WASTE

ZERO AUXILIARY CHEMICALS







**NYLSTAR**  
HYDROGEN TECHNOLOGIES

Av. Estació 53,  
17300 Blanes, Girona (Spain)  
(+34) 972 358 200

[info@nylstar.com](mailto:info@nylstar.com)  
[www.nylstar.com](http://www.nylstar.com)