

# Clenya<sup>✦✦</sup>

**WHERE CLEANLINESS  
MEETS INNOVATION**



**ELEVATE HYGIENE STANDARDS  
WITH CLENYA**

**95% LESS BACTERIA  
FOR REAL, FOREVER**



## INTRODUCING CLENYA

Mix Clenia with polymers or fabrics.  
Or simply apply it in paint or spray.

Clenia will make the surface treated bacteriostatic.  
Meaning, on that surface germs and bacteria will not reproduce anymore.

Then, your surface will have 95% less bacteria.  
Forever. For real.

Clenia is trusted by industrial leaders, and applied on FDA-approved products.

# Clenia<sup>✦</sup>



### PRESERVATION OF MATERIAL PROPERTIES

Clenia does not alter the chemical or physical properties of the manufactured product, ensuring the integrity of the final material



### NON-TOXIC COMPOSITION

Clenia contains only microelements in an ionic state, ensuring its safety for use in various applications without the need for toxic biocides.



### LONG-LASTING ANTIMICROBIAL PROTECTION

Clenia's surface modification persists throughout the lifetime of the product, providing continuous antimicrobial protection



# 95%

## LESS BACTERIA

## ON THE

## TREATED SURFACES

# LIFETIME



# MATERIALS FOR APPLICATION

## MATERIALS

Clenya offers a revolutionary approach to combating bacterial contamination across a wide range of materials and surfaces. Its versatile application methods make it suitable for use on various substrates, including plastic, polymers, fabrics, polyurethane, wood, and chipboard.

Clenya can be applied to these materials through different techniques such as spray application in a pure alcoholic solution or as a coating in a natural sugar-based polymer.

Whether it's impregnating varnish or spray application for wood or liquid finishing baths for fabrics, Clenya seamlessly integrates into production processes without altering the chemical or physical properties of the materials. This ensures the integrity of the final product while providing long-lasting antimicrobial protection.

## HOW TO APPLY

- Clenya offers versatile application methods suitable for various materials and surfaces, including plastic, polymers, fabrics, polyurethane, wood, and chipboard.
- Application techniques include spray application in a pure alcoholic solution or as a coating in a natural sugar-based polymer.
- Clenya can be applied to wood through impregnating varnish or spray methods and to fabrics via liquid finishing baths.
- It seamlessly integrates into production processes without altering the chemical or physical properties of the materials.
- Clenya provides long-lasting antimicrobial protection while preserving the integrity of the final product.
- Elevate hygiene standards across diverse industries, from textiles to construction, with Clenya's effective and versatile application.



## POLYMERS



## POLYURETHANE



## WOOD



## RECYCLED WOOD



## FABRICS



## AIR & WATER



## TEXTILE



## SPORT



## MEDICAL

# INDUSTRIES INVOLVED

### TEXTILE INDUSTRY

Clenya-treated textiles offer antibacterial properties, ideal for healthcare and sportswear, ensuring cleanliness and odor reduction.

### SPORTSWEAR

Clenya's antibacterial properties in sportswear promote hygiene during physical activities, reducing bacterial growth and odor.

### MEDICAL

Integrated into medical equipment and surfaces, Clenya inhibits harmful bacteria, reducing the risk of infections in hospitals and clinics.

### PACKAGING

Clenya extends the shelf life of perishable foods and drugs by inhibiting bacterial growth on packaging materials, ensuring food safety.

### FOOD PRODUCTION

Clenya ensures hygiene in food production facilities, reducing bacterial contamination and maintaining product integrity.

### SELF-CARE

Clenya-infused personal care products cleanse the skin and prevent bacterial spread, enhancing overall hygiene.

### FARMING

In animal farms, Clenya promotes animal health by combating bacterial pathogens in livestock environments and feed.

### AUTOMOTIVE

Clenya ensures cleanliness and hygiene within vehicles, reducing bacterial growth and odors in automotive interiors.

### HOME & PUBLIC SPACES

Clenya creates antibacterial surfaces at home, in schools, hospitals, and offices, minimizing germ spread and promoting a healthier environment.



## PACKAGING



## FOOD



## SELF-CARE



## FARMING



## AUTOMOTIVE



## HOME & PUBLIC SPACES



## STANDARD ISO 22196

Clenya's bacteriostatic action is verified through microbiological analysis following ISO 22196 standards, demonstrating a significant reduction in microbial activity on treated surfaces.



## CLENYA vs SILVER IONS

### SAFE FOR USE IN DIVERSE APPLICATIONS LONG-LASTING ANTIMICROBIAL PROTECTION SUITABLE FOR SUSTAINABLE MANUFACTURING

While silver ions have been traditionally used for their antibacterial properties, Clenya introduces a non-toxic composition, free from the potential risks associated with silver, such as toxicity and environmental concerns.

Unlike silver ions, which may pose risks of toxicity and environmental harm, Clenya's microelement-based formulation ensures safety for various applications without compromising efficacy.

Additionally, Clenya's versatile application methods, including granules for polymer integration and aqueous solutions for fabric treatment, offer flexibility and ease of use across industries.

With Clenya, businesses can confidently enhance antimicrobial protection while prioritizing safety and sustainability, ensuring a cleaner, safer environment for all.

## SAFETY

### MICROBIOLOGICAL ANALYSIS

Clenya's bacteriostatic action is verified through microbiological analysis following ISO22196 standards. These tests demonstrate a significant reduction in microbial activity on treated surfaces, validating Clenya's efficacy in inhibiting bacterial growth.

### NON-TOXIC COMPOSITION

One of Clenya's key safety features is its non-toxic composition.

Composed of microelements in an ionic state, Clenya ensures safety for various applications without compromising efficacy.

Unlike traditional antibacterial agents that may contain toxic biocides, Clenya offers a safer alternative for promoting hygiene and safety across industries.

### ANIMAL TESTING ON CLENYA'S IONS

The specific ions used by Clenya undergoes thorough testing to ensure both efficacy and safety, including assessments on animal welfare and health implications.

While Clenya prioritizes the well-being of animals, it also recognizes the importance of understanding the effects of its products on animal health and the environment.



**IMETEC**  
L'ITALIA DELLE IDEE

## CLENYA'S CLIENTS SCALDASONNO IMETEC

Experience the success story of Clenya, integrated with Scaldasonno by Imetec, where innovation meets comfort and hygiene.

Clenya's advanced antibacterial technology is seamlessly integrated into the fabric of Scaldasonno, providing unparalleled protection and peace of mind.

With Clenya-infused cotton, Scaldasonno ensures a clean and hygienic sleep environment, free from harmful bacteria and odors.



# Biorepair<sup>®</sup>

ORAL CARE



## CLENYA'S CLIENTS BIOREPAIR

Biorepair's toothbrushes and dental floss proudly integrate Clenya's advanced antibacterial properties.

Clenya, trusted for its protection against harmful bacteria, seamlessly enhances Biorepair's dental care solutions, ensuring a clean and hygienic oral care experience.

With Clenya installed in Biorepair's dental care products, users can enjoy peace of mind knowing that they are effectively combating bacterial contamination in their oral cavity.



## iPROTECT PENS



## CLENYA'S CLIENTS iPROTECT PENS

iPROTECT pens proudly integrate Clenya's cutting-edge antibacterial properties, providing users with an added layer of protection against harmful bacteria.

Clenya, trusted for its efficacy and safety, seamlessly enhances the functionality of iPROTECT pens, ensuring peace of mind in daily use.

iPROTECT is a product commercialized also in the United States of America, certified by the Food and Drugs Administration.

Clenya-infused materials contribute to a cleaner, healthier writing experience, ensuring peace of mind in shared environments.







**PACKAGING**

Surface applications: **bag 20 kg**

Air & water dilution: **bag 50 g**

**QUALITIES**

**Granules:** to be mixed at a 3% concentration with polymer granules before extrusion or molding.

**Aqueous Solution:** for treating fabrics, matrices, and textiles to impart antimicrobial properties.

# OUR TEAM



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## QUESTIONS & INQUIRIES

For any questions, inquiries,  
curiosities, please contact us!  
We will be pleased to talk to  
you anytime

“ *Embrace Clenya*

*Where Cleanliness  
Meets Innovation* ”

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