

The background of the slide is a high-quality image of the Earth as seen from space, showing the curvature of the planet and the blue atmosphere. The Arxada logo is in the top left corner. The main text is centered on the left side, and a thin white arc is on the right side.

arxada

Innovative solutions
THAT PROTECT
OUR WORLD



Silently protecting

Arxada is a global industry trailblazer in innovative solutions that protect our world. Our microbial control solutions are the silent protectors you don't even know exist in your everyday products.

Wherever there is water, there are harmful microbes—and wherever microbes exist, our solutions help control them.

You'll find our products in your home, from shampoos and dish soap to disinfecting wipes, the paint on your walls or on your boat, and even in the wood deck or fence surrounding your property.

OUR JOURNEY, SCALE & *market focus*

Timeline



1897
Lonza



1950 Troy
Corporation



1991 Enviro
Tech



2021 Arxada
founded



Dec 2021
Troy merger



Dec 2021
Enviro Tech
acquisition

Key stats

2bn

revenue in 2024

7,200

customers

1,600

products across
multiple end markets

500

active granted
patents

400

unique trademarks

99

new inventions filed
in the last 5 years

End markets



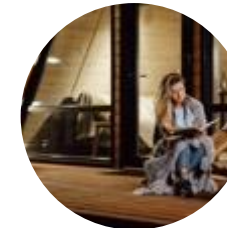
Human Health
& Nutrition



Home &
Personal Care



Paints & Coatings



Wood Protection



Industrials

3,200

Employees worldwide

14

R&D facilities

24

Manufacturing facilities

100+

Countries served

Global presence, locally
manufactured across
Americas, EMEA & APAC



Headquarters

- Basel (Switzerland)

Main Commercial Sites

- Barcelona (Spain)
- Bangkok (Thailand)
- Delft (Netherlands)
- Morristown (NJ, USA)
- Shanghai (China)
- Tokyo (Japan)

R&D

- Alpharetta (GA, USA)
- Bangkok (Thailand)
- Morristown (NJ, USA)
- Hannover (Germany)
- Manchester (UK)
- Melbourne (Australia)
- Shanghai (China)

Manufacturing

- Auckland (New Zealand)
- Newark (NJ, USA)
- Helena (AR, USA)
- Penang (Malaysia)
- Huddersfield (UK)
- Phoenix (AZ, USA)
- Horhausen (Germany)
- Port Shepstone (South Africa)
- Kabin Buri (Thailand)
- Rochester (NY, USA)
- Kalama (VA, USA)
- Suzhou (China)
- Mapleton (IL, USA)
- Trentham (Australia)
- Moerdijk (Netherlands)
- Valparaiso (IN, USA)
- Nanjing (China)

Combined R&D/manufacturing

- Conley (GA, USA)
- Modesto (CA, USA)
- New Plymouth (New Zealand)
- Kourim (Czech Republic)
- Salto (Brazil)
- Visp (Switzerland)
- Williamsport (PA, USA)

Our competitive strengths

Microbial control
POWERHOUSE

Unparalleled
REGULATORY
SUPPORT

One-stop shop
WITH GLOBAL REACH

Leading
TECHNOLOGY
PLATFORMS

Innovative solutions
THAT PROTECT
OUR WORLD

Decide
& DRIVE

Collaborate
ALWAYS

Go BEYOND

Foster GRIT

Our behaviors

Unparalleled
regulatory support
*and leading
technology
platforms*

Unparalleled regulatory support

No other company matches our regulatory expertise. We help customers launch compliant products that stand out—enabling them to make new, marketable claims.

As regulations grow more complex, our regulatory and R&D capabilities ensure customers bring products to market with added value, confidence, and a license to operate.

Leading technology platforms

Arxada is leading a new age of microbial control innovation. We provide a unique combination of disciplines with expertise in biology, chemistry, and chemical engineering. Our scalable technology platforms align with market demands and customer needs, positioning us for significant organic growth through breakthrough technologies.

Microbial Control Solutions *MCS*

Microbial Control Solutions offers an extensive portfolio of active chemistries and solutions, backed by exceptional regulatory support. Our strong track record in regulated markets sets us apart from our competitors.

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Microbial Control Solutions

Paints & *COATINGS*

Applications

Providing solutions that prevent algae, fungi, and fouling on coated surfaces, while ensuring product protection throughout the supply chain—from manufacturing and transportation to storage and final application.

Solutions

Our service capabilities are without equal in the industry, with technical service centers on four continents, plus applications labs, expert microbiology, outdoor exposure testing, and robust dedicated R&D teams.



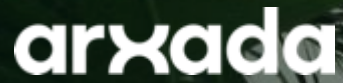


Microbial Control Solutions | Paints & Coatings

In-can *PROTECTION*

Solutions to protect products and resist spoilage in storage by inhibiting bacterial & fungal contamination, using a wide range of actives for optimized use.





Microbial Control Solutions | Paints & Coatings

Dry-paint *PROTECTION*

Protect exterior & interior architectural, decorative, and other paints & coatings against microbial growth, using a wide range of actives as well as our innovative TIME controlled release technology.



Microbial Control Solutions | Paints & Coatings

Marine *ANTIFOULING*

Advanced solutions for helping prevent algae and other growth on hulls and marine surfaces—supporting optimized vessel performance, fuel efficiency, lower carbon emissions, and contributing to healthier marine ecosystems.



Microbial Control Solutions | Paints & Coatings

Performance *ADDITIVES*

Our broad portfolio enhances liquid and powder coatings—improving application, drying time, and performance—with solutions like defoamers, dispersants, flow agents, and multifunctional additives.

Advanced resin systems provide superior durability, strength, and protection for critical, high-performance applications.



Microbial Control Solutions | Paints & Coatings

Advanced *COMPOSITES & COATINGS*

We provide high-performance composite materials for telecommunications, consumer electronics, aerospace, automotive, and industrial sectors, supporting a wide range of structural and specialty uses.





Microbial Control Solutions

Paints & *COATINGS*

Wet-state preservation

Proxel®
Mergal®

Marine antifouling

Copper Omadine®
UmiGard®

Advanced composites & coatings

Primaset®
Primacure®
Primadur®

Dry-paint preservation

TIME	Fungitrol®
Polyphase®	Omadine®
Troysan®	Omacide®

Performance additives

Polyboost™	Troythix®
Troysol®	Powdermate®
Troykyd®	Troymax®
Troysperse®	Troycat®



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Microbial Control Solutions

Professional *HYGIENE*

Applications

Protecting public and professional environments, including healthcare settings, offices, schools and transportation.

Solutions

Our service capabilities are without equal in the industry, with global regulatory expertise, quality control programs, technical service centers, in major markets around the world on four continents, plus applications labs, expert microbiology and robust dedicated R&D teams.



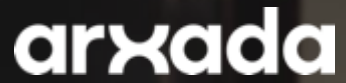


Microbial Control Solutions | Professional Hygiene

Professional *DISINFECTION*

Leading the way in trusted hygiene solutions, we protect various environments like offices, schools, restaurants, nursing homes, and transportation. We innovate for hospitals creating ready-to-use products, concentrates, and wipes for superior hygiene and safety. Our anti-microbial solutions, including Next-Gen disinfectants, are essential for the professional hygiene industry.





Microbial Control Solutions | Professional Hygiene

Food, beverage & *WATER*

We protect food, beverage, agriculture, industrial process water and wastewater industries with effective and economical solutions to kill harmful microorganisms. Our differentiated portfolio sets industry standards for quality and reliability.





Microbial Control Solutions

Professional *HYGIENE*

Professional disinfection

Quanticare™

NUGEN®

Bardac®

Barquat®

Food, beverage & water

PeraGuard®

BioSide® HS 15%

Perasan A

BromMax®

Peraspray™

Peragreen® WW

Peragreen® 5.6%

ProMax®

Peragrain A

Dantobrom®

Barlox®

Hyamine®



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Microbial Control Solutions

Home & *PERSONAL CARE*

Applications

Our portfolio supports a wide range of uses across personal care and home care—covering everything from shampoos and lotions to disinfectants, laundry, and cleaning products.

Solutions

We offer high-performing, more sustainable solutions—featuring mild surfactants, bioactives, natural emulsifiers, and multifunctional ingredients made with renewable or biodegradable components, designed for efficacy and global compliance.

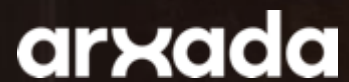




Microbial Control Solutions | Home & Personal Care

Hair Care *SOLUTIONS*

Anti-dandruff actives, aesthetic modifiers, conditioners, mild surfactants, naturally derived emulsifiers, emollients and solublisers suitable for all hair care applications.



Microbial Control Solutions | Home & Personal Care

Personal Care *PRESERVATION*

Naturally derived and modern preservation solutions to protect against bacteria, yeast and mold growth for all personal care applications.





Microbial Control Solutions | Home & Personal Care

Skin Care *SOLUTIONS*

Bioactives, aesthetic modifiers, mild surfactants, naturally derived emulsifiers, emollients and solubilizers suitable for leave-on and rinse-off skin care applications.





Microbial Control Solutions | Home & Personal Care

Home Care Preservation & *DISINFECTION*

Antimicrobial actives solutions for sanitization and disinfection in household market, including disinfecting wipes, liquids, concentrates, and hand sanitizer. Preservation solutions for formulations such as laundry detergents, surface cleaners and liquid dishwashing detergents.



Home & *PERSONAL CARE*

Hair care

Geomulse™
LaraCare®
ViscUp®
Zinc Omadine®
Carsoquat®
Amphoterge®
Natrulon®

Skin care

Metabiotics®
LaraCare®
Geomulse™
Amphoterge®

Personal care preservation

Cosmocil®
Geogard®
Glycacil®
Mikrokill®
TroyCare®
NUGEN®
Glydant®
Isocil®
Spectradyne®
Natrulon®

Home care

Dantobrom®
Lbac®
NUGEN®
Vantocil®
Isocil®
Proxel®
Barquat®
Carboquat®
Bardac®
Dantogard®
Troyguard®
Mergal®
Nuosept®
Sodium Omadine®
Barlox®
Omacide®





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PROTECTING



Microbial Control Solutions

Material *PROTECTION*

Applications

Our technologies enhance durability, reduce microbial contamination, and meet operational demands in plastics, textiles, metalworking fluids and energy.

Solutions

We offer advanced antimicrobials, H₂S scavengers, corrosion inhibitors, lubricants, antistats, and defoamers, backed by global expertise and technical service.





Microbial Control Solutions | Material Protection

Plastics

We offer a broad portfolio to plastics and textiles manufacturers, including advanced antimicrobials, lubricants, antistats and anti-fogs for enhanced performance and aesthetics.



Microbial Control Solutions | Material Protection

Metalworking *FLUIDS*

Our long-standing presence in the metalworking fluids (MWF) space is rooted in a deep portfolio of antifungal and antibacterial preservatives for soluble oil, semi-synthetic, & synthetic systems. Our products help prevent or remediate contamination while protecting metal parts against corrosion. Our offering also includes defoaming additives, esters, and cleaning additives as well as microbial detection kits.





Microbial Control Solutions | Material Protection

Energy

We provide a wide range of technologies for the oil and gas industry, such as corrosion inhibitors that safeguard material integrity, biocides that protect vital operating systems from contamination during extraction, storage, and transportation, and hydrogen sulfide (H₂S) scavengers that effectively capture and eliminate this toxic gas.



Microbial Control Solutions

Material *PROTECTION*

Plastics

Vanquish®
Micropel®
Plastiguard®
Omadine®
Acrawax®
Glycolube®

Metalworking fluids

Polyphase®	Omacide®
Grotan®	Omadine®
Troyshield®	Mergal®
Densil®	Carboshield®
Dantogard®	Troykyd®
Barchlor®	

Energy

Bardac®	Unamine®
Vantocil®	Akolidine®
Barquat®	Carboshield®
Nuosept®	TurboScav™
Uniquat®	Sourban®
Troycat®	



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Microbial Control Solutions

Wood *PROTECTION*

Applications

We support wood uses from residential to industrial, including agricultural and appearance-grade applications, maintaining structural integrity and visual appeal.

Solutions

Our wood protection solutions enhance performance and aesthetics, making wood resistant to mold, moisture, insects, fungi, smoke development and flame spread. We provide short and long-term protection, color enhancements, innovations, and expert support to improve efficiency and reduce environmental impact.





Microbial Control Solutions | Wood Protection

Residential & commercial *PRESSURE TREATMENT*

Solutions for residential, commercial, and agricultural applications—including decks, cladding, fences, docks, and landscaping—designed to help resist moisture, UV exposure, microbial growth, and weathering for long-lasting protection against environmental damage.



Microbial Control Solutions | Wood Protection

Industrial *TREATMENT*

Heavy-duty solutions for utility, railroad, piling, marine, and other industrial applications, as well as agricultural uses like vineyard stakes and posts—engineered to ensure durability and protection against moisture, decay, insect damage, corrosion, and harsh environmental conditions.



Microbial Control Solutions | Wood Protection

Wood *SPECIALTIES*

Protective solutions for whitewood, flooring, furniture, and cabinetry—enhancing longevity and performance by helping guard against moisture, mold, insect damage, and surface degradation. Our specialty treatments protect freshly sawn timber during seasoning and storage, helping preserve appearance and commercial value.





Microbial Control Solutions

Wood *PROTECTION*

Residential & commercial pressure treatment

Tanalith®	Resistol®
Wolmanized®	Dricon®
Wolman®	Tempus®
Vacsol®	SillBor®

Wood specialties

Dricon®	Azotek
Wolman® AG	Resistol®
FrameGuard®	Borolith®
Antiblu®	Antiborer®
Mycostat®	LotusPro™
Permatek®	

Industrial treatment

Chemonite® ACZA
Wolmanac® CCA
Tanasote®
Wolmanac® DCOIT
Wolman® ET®



Nutrition, Care & Environmental *NCE*

NCE leverages its unique backward integration to provide secure and reliable supply for customers seeking to de-risk their supply chains and accelerate scale-up, backed by advanced technologies, sustainability leadership, and a customer-centric approach.



Nutrition, Care & Environmental | CDMO

Contract Development & Manufacturing Organization *CDMO*

Chemical CDMO

Location: Visp, Switzerland

A fully integrated, “one-stop-shop” for chemical process development and manufacturing. We offer customized solutions across all stages—from early development through commercial production—ensuring quality, efficiency, and scalability. Our unique backward-integrated setup secures key raw material supply and enhances process control.

Fermentation CDMO

Location: Kouřim, Czech Republic

Comprehensive “one-stop-shop” services for fermentation processes, designed to maintain product integrity and deliver on customer needs. Our expertise spans all microbial strains, including genetically modified organisms, enabling innovative solutions for even the most complex fermentation challenges.



Nutrition, Care & Environmental | CDMO

Contract Development & Manufacturing Organization *CDMO*

Solutions provided

Feasibility. Early-phase lab testing to assess technical feasibility and validate key assumptions.

Process development. Development and scale-up of robust processes tailored for commercial manufacturing.

Engineering. Detailed design of manufacturing concepts to ensure scalable and efficient production.

Technology transfer. Seamless handover to production, including analytical method development and optimization.

Commercial production. Reliable, high-quality production at any scale, supported by continuous improvement initiatives.

Ongoing support. Full QA and regulatory support, analytical services, and assistance with product registration.



Nutrition, Care & Environmental | Nutrition & Infrastructure

Nutrition & *INFRASTRUCTURE*

N&I supports diverse industries—from nutrition and personal care to pharma, agriculture, and industrial markets—by supplying essential ingredients and intermediates. Our integrated supply chain ensures reliable delivery, while tailored services and on-site support enhance product integrity and performance, especially in global vitamin and aroma ingredient sectors.



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Quanticare™



Quanticare™

This versatile disinfectant replaces multiple products within one solution, making it easier for frontline nurses and cleaning staff to effectively combat Healthcare Acquired Infections.

1 in 31 hospital patients and 1 in 43 long-term care residents have an HAI daily.¹

HAIs cost U.S. hospitals over \$30B annually.²

Incompatible disinfectants can lead to costly equipment damage.³

All-in-one sporicidal and daily use quick disinfectant.

[1] HAI and Antimicrobial Use Prevalence Surveys | HAIs | CDC

[2] Stone PW. "Economic burden of healthcare-associated infections: an American perspective. Expert review of pharmacoeconomics & outcomes research." 2009, 9(5), 417 – 422.

[3] Arxada survey.



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Polyboost™





Polyboost™

Polyboost™ is a first-of-its-kind multifunctional additive for the paint & coatings industry.

The coatings industry faces costly challenges from stability issues, tolerant organisms and reduced in-container protection during storage and transport.

Paint spoilage, recalls, and rework cost manufacturers CHF 20–30M1 annually and can harm their reputation.

New regulatory limits on preservative levels may lead to additional hazard labels to paints.²

Polyboost™ technology enables low preservative use to avoid hazard labels, and supports Nordic Swan and EU Eco-labels.

[1] Based on Arxada interviews with industry experts
[2] BIT levels must be below 360ppm or face H317 hazard labelling on finished product in Europe



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TIME



TIME

TIME Controlled Release technology revolutionizes dry-film preservation for paints and coatings, offering a comprehensive range of anti-fungal and anti-algal preservatives available worldwide.

Rain and humidity promote algae and fungal growth on paint, which can damage exterior coatings.¹

Every degree of global warming could increase rainfall by 7%², putting the \$20 billion global exterior coatings market at greater risk of damage.

Free actives in coatings result in low regional use limits and hazard labeling, making them undesirable to both manufacturers and customers.

TIME helps avoid hazard labeling and leaching of actives into the environment, enabling reliable, longer-term protection and less wasted material

[1] World Meteorological Association

[2] IHS Paints and Coatings industry report



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PeraGuard® AH



PeraGuard® AH

PeraGuard® AH is a newly EPA-registered and OMRI Certified biosecurity disinfectant designed to combat Avian Influenza and other pathogens. This innovative solution enhances biosecurity measures in poultry operations, which have been severely impacted by Highly Pathogenic Avian Influenza (HPAI).

Since February 2022, Highly Pathogenic Avian Influenza (HPAI) outbreak, over 169 million birds have been affected.¹

HPAI has been detected in all US states with 782 commercial flocks impacted.¹

PeraGuard® AH is a granular peracetic acid (PAA) EPA-registered disinfectant to combat Avian Influenza and other pathogens.

Enhances biosecurity in high-risk areas on farms, reducing cross-contamination and supporting overall operational health.

[1] Source: USDA





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NUGEN® HLD-CD

NUGEN® HLD-CD

NUGEN® HLD-CD is a groundbreaking healthcare disinfectant designed to provide effective germ control in just five minutes. This innovative solution is tailored to meet the stringent demands of healthcare environments, ensuring rapid and thorough disinfection of medical devices and surfaces.

Healthcare-associated infections (HAIs) are a major concern in healthcare settings, leading to increased morbidity, mortality, and healthcare costs.

More than 3.5 million cases of HAIs are estimated to occur annually in the EU and EEA, resulting in over 90,000 deaths each year.¹

Effective infection control practices could prevent up to 50% of HAIs in the EU and EEA.¹

NUGEN HLD-CD® is a non-invasive medical device disinfectant that provides full sporicidal coverage in just 5 minutes, effectively combating HAIs.

[1] Source: European Centre for Disease Prevention and Control



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Tanasote®

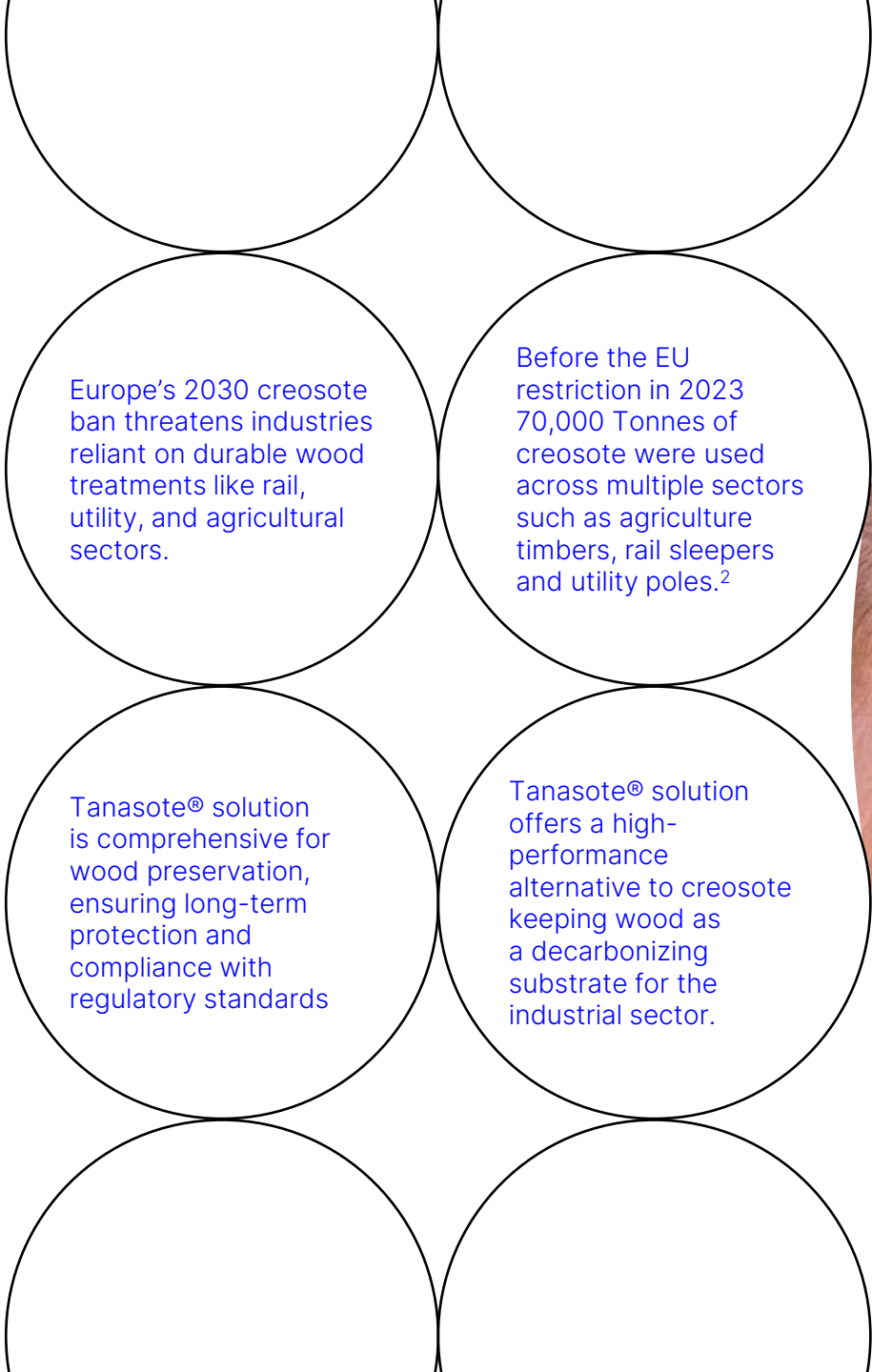




Tanasote®

Tanasote® is a copper-oil wood preservative for heavy-duty timbers like utility poles, railway sleepers, and agricultural fencing. It provides long-lasting protection and is a 40+ year alternative to creosote.

[1] Source: European Chemicals Agency (ECHA)
[2] Based on Arxada interviews with industry experts



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Tanalith® E

Tanalith® E

Tanalith® E is a high-pressure, water-based wood preservative that combines copper and organic biocides for long-term protection against fungal decay and insect attacks. It is commonly used for decking, fencing, and landscaping timbers, ensuring durable and reliable outdoor wood structures.

The industry struggles to ensure long-term protection against fungal decay and insect attacks, while adhering to strict environmental regulations.¹

If the industry did not preserve softwood, it would mean that timber would fail within 3 years, making it an unattractive substrate.

Tanalith® solution is cost-effective for internal and external building applications.

Tanalith® E is a leading wood preservative brand in Europe.

[1] Based on Arxada interviews with industry experts



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Geomulse™

Geomulse™

Geomulse™ is an innovative line of high-performance, mild polyglyceryl esters developed as versatile, non-ionic emulsifiers and surfactants. Naturally derived and customizable, these esters are designed to enhance the sensorial experience in both leave-on and rinse-off personal care applications.

Consumers are increasingly shifting their preferences towards natural and organic personal care products.¹

Global market for natural and organic personal care products has grown by >9% since 2022 and is projected to reach \$25 billion by 2025.²

Geomulse™ emulsifier enhances the sensorial aesthetics in a wide range of personal care products, providing consumers with an enhanced product experience.

Geomulse™ esters are 100% naturally derived from plant origins, compliant with ISO 161282 standards.

[1] Grand View Research, Inc.

[2] ISO 16128 standards provide guidelines for defining and calculating the natural and organic content of cosmetic ingredients and products.



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Geogard®





Geogard®

Geogard® offers a broad-spectrum preservation for personal care products. It ensures product integrity and protection against microbial contamination, meeting consumer expectations for gentle and well-preserved cosmetics.

Modern consumers want preservation that's effective without compromising on safety or sustainability.¹

Over 10% of beauty and personal care products are discarded due to spoilage or damage, with 4% specifically attributed to perishing or microbial contamination.²

Geogard® technology enhances skin hydration and improves skin feel. It meets COSMOS and ECOCERT standards.

Geogard® technology is derived from natural sources and biodegradable.

[1] Global Cosmetics Industry
[2] Avery Dennison Research



Thank you

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Our global leadership

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*SANJEEV
RASTOGI*

Chief Executive
Officer



*PETER
FRAUENKNECHT*

Chief Financial Officer



*OLIVIER
LAMBRECHTS*

President, NCE



*RICHARD
STRITTMATTER*

Chief Technology
& Innovation Officer



*SCOTT
CAMPBELL*

SVP, Integrated
Operations



*KRISTIN
RINALDI*

SVP, Legal, IP
& Compliance



*TAFA
MAGAYA*

SVP, Growth, Strategy
& Transformation



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

SILVER | Top 15%

ecovadis

Sustainability Rating

FEB 2025

Our carbon
management journey
*Arxada leadership
continues*
Towards net zero 2050



EcoArx:
Sustainable procurement
& responsible sourcing