



No Toxins or Pollutants

Safer for Operatives

Sustainable, Vegan
and Cruelty-Free

Reduces Allergens
and Mould

Continues Working
Between Cleans

Doesn't Create Superbugs
(Antimicrobial Resistance)



INGENIOUS PROBIOTICS

Dena⁺ PROBIOTIC COMMERCIAL CLEANING

BETTER HYGIENE WITHOUT HARMFUL CHEMICALS

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2023



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NATURALLY SOURCED PRODUCTS FOR HEALTHIER INDOOR SPACES

Commercial grade, sustainable cleaning products for areas at higher risk of microbial invasion. Ideal for offices, sports and veterinary environments as well as medical clinics, dentists, nurseries, shopping centres and supermarkets.

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BETTER HYGIENE WITHOUT HARMFUL CHEMICALS

RESPECTS PEOPLE, ANIMALS, THE ENVIRONMENT

DENAA+ probiotic commercial cleaning products expertly improve the hygiene of busy environments. They are highly effective eco-detergents that are free from harmful chemicals, are non-corrosive and are vegan.

These sustainable products achieve better hygiene levels than harsh chemicals - without the negative impact on health and the environment.

They have an added beneficial ingredient: 'good' (probiotic) bacteria, naturally sourced from plants. These helpful probiotics are one of nature's most powerful assets and they clean more than visible dirt. They work in a safe and mechanical way at a microbial level.

The probiotics actively consume bio-hazards - organic waste, dirt, odour molecules, grease, oil, stale sweat, faecal matter and bio-allergens - pollen, mould spores and dust mite faeces. They also naturally out compete 'bad' bacteria for space and food, (including E. coli and MRSA), which reduces the risk of bacterial infections.

This restores a healthy microflora balance (the microbiome), which is known to support immunity and well-being.

The probiotics help the products reach deep into nooks and crannies. They also keep working for up to 3 days after application.

The range has probiotic solutions to safely improve the hygiene of surfaces, floors, textiles, and washrooms - as well as hand soap and chemical-free odour remover.

- ✔ Probiotic eco-detergents are effective against viruses (including Coronavirus) and pathogenic bacteria.
- ✔ Creates a more hygienic and inviting environment that supports health and well-being.
- ✔ Protects cleaning operatives from ill health linked to long term use of harmful chemical cleaning agents.



Safer for Operatives & Occupants

Does Not Pollute Indoor Air

Research Based Microbiology

Free from Toxins & Carcinogens

PETA Certified Vegan & Cruelty-Free

Circular Economy ISO 14024

Green Seal Certified & EPA Class 1

Recycled & Recyclable Containers





HOW PROBIOTIC PRODUCTS WORK

NATURAL, SAFER AND MORE RESPONSIBLE THAN CHEMICAL CLEANING

Safer, Mechanical Action Reduces Antimicrobial Resistance

Whilst the world has been fighting Covid-19, it's taken its eye off an even scarier threat to global health: The increasing number of antibiotics that no longer work.

Spikes in secondary bacterial infections and unprecedented chemical cleaning is pushing bacteria and other microorganisms to increasingly resist previously effective treatments. They are continually evolving, growing a protective shield and mutating into resilient super bugs. This antimicrobial resistance (AMR) reduces the effectiveness of our most essential healthcare tool - antibiotics.

The good news is that probiotic cleaning products work in a mechanical way that safely inhibits harmful bacteria without causing them to mutate and develop resistance. They simply win the competition for the food and space needed to survive. The pathogens die and become a food source for the probiotics. This restores a safer and healthier microbial balance that supports well-being.

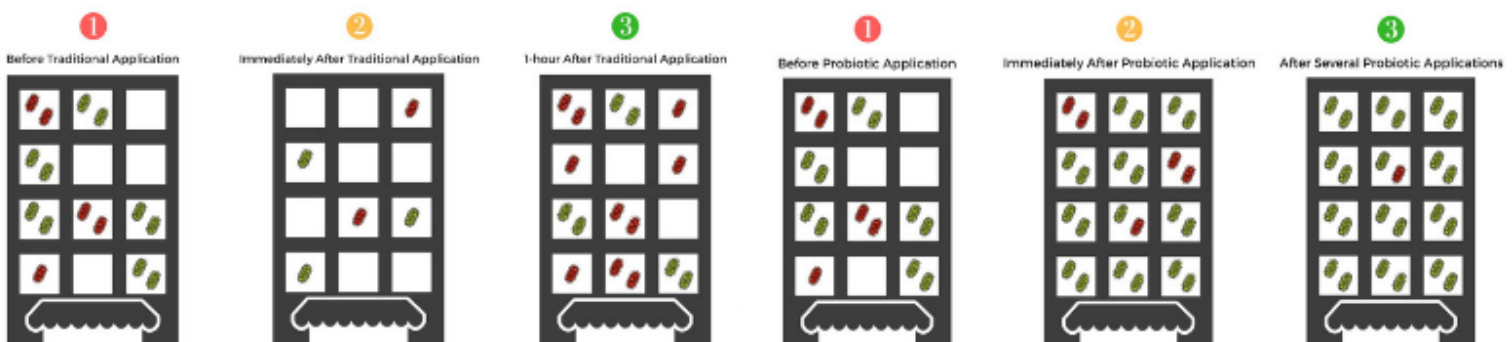
The helpful probiotics also significantly improve hygiene at a microbial level. They consume bio-allergens - pollen, dust mite faeces - as well as odour molecules, organic waste, dirt and grease, and faecal matter from unwashed hands.

✓ Restores healthy microbial balance.

✓ Does not create localised superbugs.

✓ Longer lasting, natural action.

TRADITIONAL VS. PROBIOTIC CLEANING



DENAA+ probiotic cleaning products are also eco-detergents that thoroughly cleanse. The action of cleaning combined with soap surfactants breaks apart virus fat membranes - including the Coronavirus. The helpful probiotics then safely consume the broken-down virus as a natural food source. They remain on surfaces and floors after cleaning, continuing to work between applications.





DENAA+ UNIVERSAL CLEANER

PROBIOTIC COMMERCIAL CLEANING

Restores Healthy Microflora Balance to Surfaces

DENAA+ Probiotic Universal Cleaner Concentrate is an eco-friendly general purpose cleaning solution. This responsible alternative to harsh chemical cleaning agents is enriched with 'good' (probiotic) bacteria, naturally sourced from plants. Like all detergents, it is effective against the Coronavirus.

The helpful probiotics clean more than visible dirt: they eliminate organic waste and outcompete harmful bacteria that cause infections. They also consume mould and bio-allergens, including dust mite faeces and pollen, as well as the causes of unpleasant odours. Regular cleaning restores a healthy microflora balance to any surface.

The helpful probiotics stay on surfaces and keep working for up to three days after application. This gives longer lasting results.

Biodegradable, Sustainable and Safer than Chemicals

This sustainable eco-detergent is safe for cleaning operatives as well as the environment. All ingredients are non-polluting, vegan and 100% biodegradable.

INSTRUCTIONS

Simply refill a 500ml trigger spray: Empty DENAA+ Probiotic Universal Cleaner bottles are available. Shake concentrate bottle before use. Fill the clean, empty spray bottle with fresh, hand warm tap water. Add 5ml of concentrate. Follow dosing instructions exactly. Close the bottle and shake. Spray lightly onto the surface and wipe with a clean microfibre cloth. Spray directly into inaccessible areas – the natural capillary action of the water combined with the probiotic movement can reach areas that are manually inaccessible. Store out of sunlight and use within 3 months.

Alternatively: Add 100ml of DENAA+ Probiotic Universal Cleaner Concentrate to 1 litre of fresh, hand warm tap water (1 cap = 10 ml). Use concentrate within 6 months of opening.

RECOMMENDATIONS

- Do not use in combination with other products.
- Do not swallow.
- Avoid contact with eyes.
- Store in a dry place 10°C - 30°C.
- Keep out of the reach of children.

COMPOSITION

- >30% water
- 5-15% anionic surfactants
- Microorganisms EU Group 1
- <5% non-ionic surfactants
- pH regulator
- Foaming agent
- Preservative
- Mild scent.
- Natural dye



Empty Trigger Spray
- 500 ml

Concentrate
- 1 litre
(makes 100 litres)
- 5 litres
(makes 500 litres)

✓ **Plant-based;
doesn't create
superbugs.**

✓ **Also for outdoor
furniture,
aluminium,
plastics etc.**

✓ **Safer for
cleaning
operatives.**



ASK ABOUT THE RANGE!



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DENAA+ FLOOR CLEANER

PROBIOTIC COMMERCIAL CLEANING

Free from Harmful Chemicals and Safer for Operatives

DENAA+ Probiotic Commercial Floor Cleaner Concentrate is a sustainable eco-detergent with added 'good' bacteria (probiotics).

These helpful probiotics work in a safe, mechanical way. They inhibit harmful bacteria that cause infections, without causing them to mutate or develop resistance. This helps reduce the risk of common bacterial infections – including E. coli, Campylobacter and Staphylococcus aureus.

This naturally sourced eco-detergent is also effective against viruses, including Coronavirus. It is an effective, economical and responsible alternative to synthetic and chemical cleaners.

The helpful probiotics remain on the floor and continue to work for up to 3 days after application. Regularly cleaning with DENAA+ Probiotic Commercial Floor Cleaner restores a healthier microflora balance (a healthy microbiome).

Non-Polluting for Healthier Indoor Air

The probiotics also help allergy management by reducing bio-allergens, including dust mite faeces, animal dander, pollen and fungal spores, as well as organic dirt. They also actively eliminate organic sources of unpleasant odours, without chemical air fresheners to mask smells.

Ingredients are free from harmful chemicals and toxins, are non-irritating, non-carcinogenic and quickly biodegradable. Safe for operatives.

INSTRUCTIONS

Available as a concentrate for manual use and for machines with foam inhibitor. Shake before use. Depending on the contamination, add 40 – 80ml DENAA+ Floor Cleaner to 10 litres of fresh, clean, hand warm tap water. Always follow dosing instructions exactly. Mop the floor then rinse with water to remove foam.

FLOOR CLEANER MACHINES: Follow the manufacturers instructions of the machine.

RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- Do not swallow.
- Avoid contact with eyes.
- Store in a dry place 10°C - 30°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- Surfactant
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- Emulsifier (Castor Oil)
- Lemon Aroma
- pH Stabiliser
- Dye



- 1 litre concentrate
(makes 125 to 250 litres)
- 5 litres
(makes 625 to 1250 litres)



For Machines
- 10 litre concentrate
(makes 1250 to 2500 litres)



Cleans more than the visible dirt.



Restores a healthy microflora balance.



PETA certified vegan and cruelty-free.



ASK ABOUT THE RANGE!





Denaa+ ECO-FRIENDLY DE-SCALER

NATURAL COMMERCIAL CLEANING

100% Natural - Removes Limescale Without Chemicals

DENAA+ Eco-Friendly Commercial De-Scaler is an entirely natural de-scaler that very effectively cleans and removes limescale. This easy to use spray naturally improves the hygiene of commercial kitchens and washrooms.

The core ingredient is natural acids found in citrus fruits. As a result, this eco-friendly limescale remover has a refreshing, natural lemon aroma.

Note: This Product Does Not Contain Probiotics.



Spray - 500ml
Eco-friendly refill
- 5 litres, 25 litres

Effectively Cleans Tiles, Taps, Sinks and Fittings

Limescale is an unsightly chemical deposit that often occurs in areas of hard water. It promotes the growth of bacteria and can reduce the functioning of taps and fittings and shorten their service life.

DENAA+ Eco-Friendly Commercial De-Scaler is non-corrosive and non-polluting and is kind to the environment. It does not contain any chemicals or toxic ingredients and is, therefore, safer for health and long term use by cleaning operatives.

Also available in eco-friendly, ready to use 5 and 25 litre refill cans. Contact us for more information.

✔ Sustainable, eco-friendly and non-corrosive.

✔ Chemical-free, non-toxic and non-polluting.

✔ 100% natural with a fresh lemon aroma.

INSTRUCTIONS

Spray onto limescale spots and allow to soak for 10 minutes. Then scrub and rinse with water. For best results, use with DENAA+ Probiotic Sanitary Cleaner:

First use DENAA+ Eco-Friendly De-Scaler to remove limescale. Then use DENAA+ Probiotic Sanitary Cleaner to remove organic material and bacteria, for freshness, shine and a longer-lasting clean.



RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- Do not swallow.
- Avoid contact with eyes.
- Store in a dry place 10°C - 30°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- pH Stabiliser
- Citric Acid
- Emulsifier (Castor Oil)
- Lemon Aroma

ASK ABOUT THE RANGE!





Denaa⁺ ODOUR REMOVER

PROBIOTIC COMMERCIAL CLEANING

Removes Odours Without Harmful Chemicals

DENAA+ Probiotic Odour Remover is a highly effective and responsible alternative to chemical air fresheners and masking fragrances. The easy to use spray is scientifically formulated to remove the root causes of unpleasant odours in higher occupancy environments.

The spray contains 'good' bacteria (probiotics), naturally sourced from plants. These helpful probiotics work safely and thoroughly at a microbial level. They eliminate the root causes of smells, rather than just masking odours with polluting chemicals.

The odour neutraliser spray is completely safe for cleaning operatives and is non-irritating. It contains no dyes and will not stain.

Non-Polluting and Beneficial for Indoor Air Quality

DENAA+ Probiotic Odour Remover works in a direct, unique, natural and organic way. Unlike pathogenic (harmful) bacteria, the probiotic (helpful) bacteria in DENAA+ Probiotic Odour Remover are odour-free.

The spray has an added natural, fresh orange and basil aroma.

You can use this natural odour remover to remove pungent scents. It's a commercial-grade product designed to be used in busy environments.

INSTRUCTIONS

Shake before use. Spray directly onto any sources of unpleasant odour.

RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- Do not swallow.
- Avoid contact with eyes.
- Store in a dry place 10°C - 30°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- Odour Eliminator
- pH Stabiliser
- Orange & Basil Aroma
- Emulsifier (Castor Oil)



Spray - 300ml
Eco-friendly refill
- 5 litres

✓ **Removes root causes of odours.**

✓ **Natural orange and basil aroma.**

✓ **Sustainable; no harmful chemicals.**



ASK ABOUT THE RANGE!





Denaa+ AIR OPTIMISER

PROBIOTIC COMMERCIAL CLEANING



Spray - 300ml
Eco-friendly refill
- 5 litres

Reduces Allergy Symptoms from Organic Sources

DENAA+ Probiotic Air Optimiser improves allergy management and helps prevent skin and respiratory allergy symptoms. It is especially beneficial for managing dust-mite allergies.

This simple to use yet highly effective preventative spray is powered by beneficial, 'good' (probiotic) bacteria, naturally sourced from plants.

These helpful probiotics work naturally to restore a healthy microflora balance. They safely consume bio-allergen triggers – dust mite faeces, pollen, skin flakes, mould spores and organic waste – as a natural food source.

They also inhibit harmful bacteria, which reduces the risk of bacterial infections. Unlike chemicals, this mechanical action does not cause harmful bacteria to develop resistance.

Restores a Healthy Microflora Balance

When sprayed into the air, DENAA+ Probiotic Air Optimiser lands on textiles and soft furnishings such as blinds and privacy curtains that are not easy to clean. It also reaches into nooks and crannies and often missed places – including keyboards and cracks in surfaces.

The spray is eco-friendly and has a long-lasting action. It is A+ rated and scientifically proven to be safe and free from harmful chemicals and toxins. The non-polluting formula improves the quality of indoor air.

✓ **A+ rated for respiratory safety.**

✓ **Plant-based, no harmful chemicals.**

✓ **Room and duct dispensers available.**

INSTRUCTIONS

Maintain good general hygiene for best results. Shake before use. Spray DENAA+ Probiotic Air Optimiser into the air and lightly mist onto surfaces. Do not wipe. Use once per day for the first five days then repeat once per day every three days. Can also be sprayed directly onto surfaces, textiles and soft furnishings.



RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- For use on waterproof surfaces only.
- Avoid contact with eyes.
- Store in a dry place 10°C - 30°C.
- Keep out of the reach of children.
- This product is not a medicine or medical device.

COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- pH Stabiliser
- Aloe Vera Aroma

ASK ABOUT THE RANGE!





Denaa⁺ HAND SOAP

PROBIOTIC COMMERCIAL CLEANING

Protects Hands from External Influences

DENAA+ Probiotic Hand Soap is non-irritating, hypoallergenic and suitable for sensitive skin. Added Aloe Vera oil moisturises and softens, protects cell membranes and accelerates the formation of new skin cells. This provides long term care and protection for your hands.

This moisturising soap is enriched with beneficial 'good' (probiotic) bacteria, naturally sourced from plants. These helpful probiotics work in a safe and mechanical way to restore healthy microbial balance to the hands.

They simply outcompete harmful bacteria, which significantly reduces the risk of bacterial infections, including MRSA and E. coli. Unlike chemical soaps, this mechanical action does not cause antimicrobial resistance. But like all detergents, it is effective against viruses, including Coronavirus.

The helpful probiotics continue to work between washes, helping to protect the hands from external influences. The helpful probiotics also remain on the hands after using alcohol-based hand gel and sanitisers.

Non-Irritating and Suitable for Sensitive Skin

DENAA+ Probiotic Hand Soap cleans hands thoroughly and gently whilst being sustainable and kind to the environment. Ingredients are naturally sourced and quickly bio-degradable as well as non-polluting with no harmful chemicals, toxins, carcinogens, parabens or aluminium.



Bottle - 300ml
Eco-friendly refill
- 5 litres



Works with alcohol hand sanitisers and gels.



Removes grease, dirt mechanical oil, and mud.



Sustainable eco-detergent, no harmful chemicals.



INSTRUCTIONS

Wet hands and pour 2 to 3ml into one hand. Wash hands together for 20 seconds and then rinse liberally with warm water. Dry thoroughly. You can use alcohol hand gel after washing without damaging the probiotics.

RECOMMENDATIONS

- Do not use in with products that may change effectiveness.
- Do not swallow.
- Avoid contact with eyes.
- Store in a dry place 10°C - 30°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- Aloe Vera Oil
- Thickener
- Surfactant
- pH Stabiliser
- Emulsifier (Castor Oil)
- Coconut derivatives
- Aloe Vera Aroma

ASK ABOUT THE RANGE!





Denaa⁺ SANITARY CLEANER

PROBIOTIC COMMERCIAL CLEANING

Naturally Restores a Healthier Microbial Environment

DENAA+ Probiotic Sanitary Cleaner is a highly effective spray specifically designed for busy washrooms. It provides a safer, eco-friendly and responsible alternative to traditional synthetic and chemical cleaning agents.

This sustainable eco-detergent is enriched with beneficial 'good' (probiotic) bacteria, naturally sourced from plants. These helpful probiotics restore a healthy balance to washrooms at a microbial level. They inhibit harmful bacteria that cause infections without causing the bacteria to mutate and develop antimicrobial resistance. And they continue to work for up to 3 days after application – giving longer lasting results.

Cleaning regularly with DENAA+ Probiotic Sanitary Cleaner creates a healthier microflora balance, which is known to support health and well-being.

Safer than Chemicals for Operatives and the Environment

This eco-friendly cleaner also eliminates the sources of unpleasant odours, including persistent urine odour. This is much safer than using harsh chemical air fresheners to mask washroom smells.

All ingredients are free from harmful chemicals and are non-polluting, non-irritating, hypoallergenic and quickly biodegradable.

INSTRUCTIONS

Available as a ready to use spray and eco-friendly concentrated formulation with pH stabiliser.

Spray: Shake bottle before use. Spray lightly onto the surface and wipe with a clean microfibre cloth. Spray directly into inaccessible areas – the natural capillary action of the water combined with the probiotic movement can reach areas that are manually inaccessible.

Concentrate: Shake bottle before use. Fill a 500ml clean, empty spray bottle with fresh, hand warm tap water. Add 6.25ml of concentrate. Always follow the dosing instructions exactly. Close the bottle and shake briefly. Use as above. Store out of sunlight and use within 3 months.

RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- Do not swallow.
- For use on waterproof surfaces only.
- Avoid contact with eyes.
- Store in a dry place 10°C - 30°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- Surfactant
- Odour Eliminator
- Emulsifier (Castor Oil)
- Orange & Basil Aroma
- Dye

ASK ABOUT THE RANGE!



Ready to use
spray
- 500ml

Concentrate
- 1 litre
(makes 80 litres)
- 5 litres
(makes 400 litres)



No harmful chemicals or pollutants.



Removes unpleasant odours.



Effective against Coronavirus.





Denaa⁺ SURFACE CLEANER

PROBIOTIC COMMERCIAL CLEANING

Restores a Healthier Microflora Balance to Surfaces

DENAA+ Probiotic Surface Cleaner effectively cleans hard surfaces and windows. It is a safer and more responsible alternative to synthetic and chemical cleaners.

This sustainable eco-detergent is enriched with high quality, non-mutative, 'good' probiotic bacteria, naturally sourced from plants. These helpful probiotics work safely and mechanically at a microbial level. They inhibit pathogenic bacteria that cause infections, degrade bacterial biofilm and restore a healthy microflora balance. This reduces the risk of contracting bacterial infections – including C. difficile, E. coli and MRSA.

The helpful probiotics stay on surfaces and keep working for up to three days after application.

Achieves Better Hygiene Without Harsh Chemicals

DENAA+ Probiotic Surface Cleaner also significantly reduces bio-allergens, including mould spores, animal dander, dust mite faeces and pollen. The helpful probiotics also actively eliminate the root causes of unpleasant odours, which removes the need for chemical air fresheners to mask smells. All ingredients are non-polluting, non-irritating, hypoallergenic and quickly biodegradable.

INSTRUCTIONS

SPRAY: Spray is ready to use. Shake bottle before use. Spray lightly onto the surface and wipe with a clean microfibre cloth. Spray directly into inaccessible areas – the natural capillary action of the water combined with the probiotic movement can reach areas that are manually inaccessible.

CONCENTRATE: Simply refill your 500ml DENAA+ Probiotic Surface Cleaner trigger spray. Shake concentrate bottle before use. Fill the clean, empty spray bottle with fresh, hand warm tap water. Add 6.25ml of concentrate. Follow dosing instructions exactly. Close the bottle and shake. Use as above. Store out of sunlight and use within 3 months.

RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- Do not swallow.
- For use on waterproof surfaces only.
- Avoid contact with eyes.
- Store in a dry place 10°C - 30°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- Surfactants
- Mint Aroma
- Emulsifier (Castor Oil)
- pH Stabiliser



Ready to use spray
- 500ml

Eco-friendly refill
- 1 litre, 5 litres

Concentrate
- 1 litre
(makes 80 litres)
- 5 litres
(makes 400 litres)



Sustainable;
no harmful
chemicals.



Safer for
operatives and
the planet.



Effective
against the
Coronavirus.



ASK ABOUT THE RANGE!





Denaa+ TOILET CLEANER

PROBIOTIC COMMERCIAL CLEANING

Sustainable and Non-Polluting Microbial Cleaning

DENAA+ Probiotic Toilet Cleaner is better for the environment - and for health - than harsh chemical toilet cleaners. It is enriched with beneficial 'good' (probiotic) bacteria, naturally sourced from plants, and cleans more than visible waste and limescale.

The helpful probiotics inhibit harmful bacteria that cause infections. They eliminate unpleasant odours by transforming organic waste into a harmless gas that humans cannot smell. Regular use creates an increasingly healthier and balanced microbial environment within the toilet system.

You can use this sustainable eco-detergent in place of chemicals like bleach. The probiotics live for several days after application, helping to protect the toilet from bacterial overload.

DENAA+ Probiotic Toilet Cleaner has a pleasant, natural orange and basil aroma. It is thixotropic and does not disappear straight down the toilet drain.

Restores Healthy Microbial Balance to Toilet Systems

After flushing, the probiotics continue to consume organic waste whilst in the drain and sewers. This action also significantly reduces the quantity of physical waste in septic tanks, which stops the sewage smell. Reducing physical waste reduces the number of times the tank needs to be cleaned. This reduces costs, making our commercial toilet cleaner an economical choice.

All ingredients are naturally sourced, non-polluting, non-corrosive and quickly biodegradable with no chlorine or other aggressive agent.

INSTRUCTIONS

Shake before use. Apply DENAA+ Toilet cleaner under the rim of the toilet and allow to soak for 10 minutes. Then scrub with a brush and flush. Regular use prevents limescale.

RECOMMENDATIONS

- Do not use with products that may change effectiveness.
- Do not swallow.
- Avoid contact with eyes.
- Store in a dry place 10°C - 30°C.
- Keep out of the reach of children.

COMPOSITION

- Water
- Plant-Based Probiotic Bacteria (Auto-Active Microorganisms)
- pH Stabiliser
- Surfactant
- Thickener
- Emulsifier (Castor Oil)
- Orange & Basil Aroma
- Dye

ASK ABOUT THE RANGE!



Bottle - 750ml

- ✓ **Reduces sewage odour and limescale.**
- ✓ **Reduces septic tank emptying.**
- ✓ **Eco-friendly and safer for operatives.**



denaa⁺ PROBIOTIC FLOOR CLEANER



PRODUCT USAGE GUIDE

⚠ When using probiotics, always read the label to check best practices for using concentrated and ready to use solutions

PROVILAN PROBIOTIC denaa⁺ COMMERCIAL FLOOR CLEANER

⚠ BEFORE YOU START

DO NOT USE with products that may change effectiveness of the probiotics e.g. chemicals, anti-bacterials



1 USE APPROPRIATE PPE AND PLACE SAFETY SIGNS



2 PREPARE FLOOR SURFACE



AVAILABLE IN 1 LITRE AND 5 LITRES



1 litre



5 litres

3 PREPARE SOLUTION

Dilute 125ml of DENAA+ Floor Cleaner in 10 litres of tepid water



4 DAMP MOP THE FLOOR

Use solution directly onto a cloth and clean the floor if needed



5 REMOVE SAFETY SIGNS

Remove safety signs once surface is dry



denaa⁺

For commercial, public buildings, retail, veterinary and paramedical use.

HEALTH & SAFETY

Please refer to relevant Safety Data Sheet



REASONS TO USE OUR PRODUCTS

- ✔ Vegan
- ✔ Naturally-sourced
- ✔ Chemical-free
- ✔ Safe for operatives

INGENIOUS-PROBIOTICS.COM



Research Study

PROBIOTIC INFECTION PREVENTION



E. Coli Bacteria Can be Spread by Poor Hand Hygiene

Results Achieved



Plant-based probiotic 'good' bacteria eliminated 100% of pathogenic E. coli bacteria.



Beneficial implications for inhibiting E. coli related infections in fitness and wellness environments.

Probiotic Bacteria Have a Positive Effect Against E. Coli Bacteria Plant-Based 'Good' Bacteria Eliminate Pathogenic Bacteria that Cause Infections

Study

The aim was to prove that non-pathogenic probiotic bacteria have a positive effect against pathogenic Escherichia coli bacteria. Two tests were made with four E. Coli petri film plates containing differing volumes of bacteria. A sample consortium of diatoms (algae from domestic use contaminated water) was blended with a sample of the probiotic bacteria, then added to each petri film containing the E. coli.

Test One: 4ml probiotic bacteria and 4ml diatoms. 140 colonies (CFUs) counted on film plate pre-treatment.

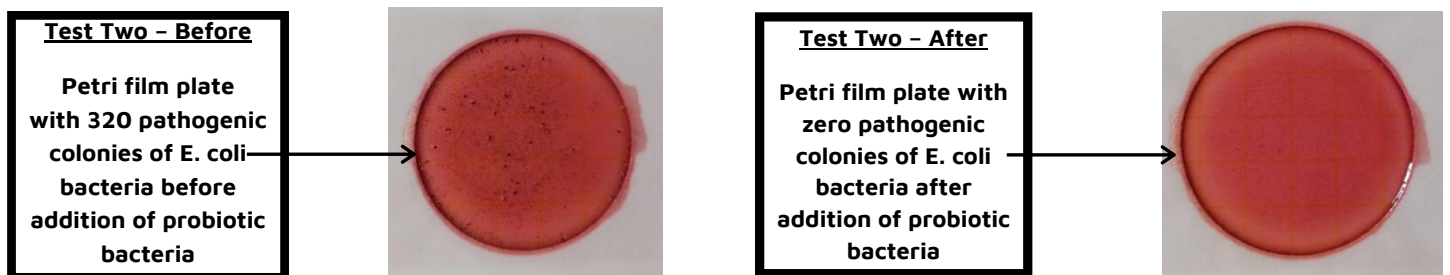
Test Two: 3ml probiotic bacteria and 5ml diatoms. 320 colonies (CFUs) counted on film plate pre-treatment.

The plates were incubated for 24 hours at 37°C and then visually examined. Standard laboratory methods were used for efficient detection and enumeration.

Results

Test One: The probiotic bacteria and diatoms had eliminated all of the 140 pathogenic colonies.

Test Two: The probiotic bacteria and diatoms had eliminated all of the 320 pathogenic colonies.



Conclusion

These results prove that the non-pathogenic probiotic bacteria eliminated all E.coli colonies contained in the consortium of diatoms, even when the volume of probiotic bacteria was lower compared with the volume of diatoms. This significant result is particularly relevant to the presence of necrophagous bacteria (that eat dead and decaying flesh) and phage bacteria in the solution.

This internal test was carried out by Probiotic Group laboratory from October 23rd to October 30th 2018. For the full study visit: www.ingenious-probiotics.com/resources.

Research Study

PROBIOTIC INFECTION PREVENTION



Probiotic Bio-Cleaning also Reduces Community-Acquired MRSA, found in communal areas

Probiotic DENAA+ Bio-Cleaning Spray:

- ✓ Reduces the multi-drug resistant, pathogenic *Staphylococcus aureus* bacteria (MRSA) from 100,000 to 100 colony forming units within 22 hours.
- ✓ Achieves LOG 10 reduction of MRSA compared with traditional cleaning spray.

PROBIOTIC CLEANING SPRAY REDUCES MRSA BY 99%

With Naturally Sourced Probiotic Bacteria & Without Chemical Cleaning Agents

Study

The Luxembourg Institute of Science and Technology (LIST) carried out an independent laboratory study to measure the effectiveness of DENAA+ Patient Bed Bio-Cleaning Spray.

TEST ONE: The Effect of a Spray on the Passage and Survival of Probiotic Bacteria

Equal amounts of DENAA+ Patient Bed Bio-Cleaning Spray were extracted from the bottles:

(a) Using the spray and (b) using an automatic pipette.

TEST TWO: The Competition Between *Bacillus* Constituting Biomass (Probiotic Bacteria) and MRSA:

Bottles containing contaminated ingredients only (no probiotics) were treated by filtration to remove contaminating bacteria. A pathogenic bacterium of MRSA was placed on a nutrient-free medium, Agar gel (100,000 colony forming units per petri dish). The boxes were sprayed with:

(a) 1 x spray and (b) 3 x sprays of DENAA+ Patient Bed Bio-Cleaning Spray.

The Petri dishes were incubated for 22 hours at 37°C.

Results

TEST ONE: There was no difference in *Bacillus* growth between (a) and (b).

TEST TWO: DENAA+ ingredients alone: no inhibition of pathogenic bacteria MRSA.

DENAA+ ingredients + probiotic solution: Achieved a 99% reduction of the pathogenic bacteria MRSA (with one spray and 3 sprays) within 22 hours.

Conclusion

The use of the spray method of application does not have a negative impact on the biomass (the number of live organisms in a given area) of the probiotics. The product ingredients alone have no inhibitory effects. The DENAA+ ingredients + probiotic solution demonstrated a significant inhibition effect on MRSA.

NB: 99% reduction is achieved when the room temperature is maintained above 20°C.

Follow Up

Although the results took longer to achieve than traditional cleaning agents, which can work almost immediately, the results were longer lasting. Continued use creates an increasingly healthier microbial environment, without the risk of the bacteria building resistance and without polluting the environment.

Read the full research study at www.ingenious-probiotics.com/resources.

Call +44 1268 544530 or email enquiries@pure-ingenious.com to find out more.


Laboratory Study

PROBIOTIC INFECTION PREVENTION



Probiotic Bio-Cleaning Achieves
LOG 10 Reduction of MRSA Compared with Traditional Cleaning

Significant Results Achieved

-  DENAA+ Healthcare Probiotic Patient Bed Bio-Cleaning Spray reduced the multi-drug resistant, pathogenic bacteria of the species *Staphylococcus aureus* (MRSA) from 100,000 to 100 colony forming units within 22 hours.

PROBIOTIC CLEANING SPRAY REDUCES MRSA BY 99%

With Naturally Sourced Probiotic Bacteria & Without Chemical Cleaning Agents

Study

The Luxembourg Institute of Science and Technology (LIST) carried out an independent laboratory study to measure the effectiveness of DENAA+ Healthcare Probiotic Patient Bed Bio-Cleaning Spray.

TEST ONE: The Effect of a Spray on the Passage & Survival of Probiotic Bacteria

Equal amounts of DENAA+ Patient Bed Bio-Cleaning Spray were extracted from the bottles:

(a) Using the spray and (b) using an automatic pipette.

TEST TWO: The Competition Between *Bacillus* Constituting Biomass (Probiotic Bacteria) and a Reference Strain of Methicillin Resistant *Staphylococcus Aureus* (MRSA):

Bottles containing contaminated ingredients only (no probiotics) were treated by filtration to remove contaminating bacteria. A pathogenic bacterium of MRSA was placed on a nutrient-free medium, Agar gel (100,000 colony forming units per petri dish). The boxes were sprayed with:

(a) 1 x spray and (b) 3 x sprays of DENAA+ Patient Bed Bio-Cleaning Spray.

The Petri dishes were incubated for 22 hours at 37°C.

Results

TEST ONE:

There was no difference in *Bacillus* growth between (a) and (b).

TEST TWO:

DENAA+ ingredients alone: no inhibition of pathogenic bacteria MRSA.

DENAA+ ingredients + probiotic solution: Achieved a 99% reduction of the pathogenic bacteria MRSA (with one spray and 3 sprays) within 22 hours.

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