

BioHygiene



ECOLOGY
SAVING YOU WATER

giene



sanitiser

based on natural fermentation
gradable surfactant. Kills bacteria to
14476 for enveloped viruses,
10 - CoV (SARS-CoV-2



BioHygiene
FOAM
HAND SANITISER

VIRUCIDAL
BACTERICIDAL
ALCOHOL & QUAT FREE
NATURALLY DERIVED INGREDIENTS
SUSTAINABLE TECHNOLOGY
PERFUME AND DYE FREE
GENTLE ON SKIN
FOOD SAFE

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BioHygiene

All Purpose Sanitiser

An all-purpose sanitiser based on natural
fermentation extracts and mild, biodegradable
surfactant. Kills bacteria to EN1276 and EN13697.
Approved to EN14476 for enveloped viruses,
including coronavirus 2019 n-CoV / SARS-CoV-2.



BioHygiene



Foam Hand Soap
Unfragranced

A naturally derived, pH balanced an
foaming hand soap with moisturise
Directions: Wet hands before applying soap. Rub tho
Rinse with warm water. Suitable for all washrooms.
Health & Safety: IF IN EYES: Rinse cautiously with water for
Remove contact lenses, if present and easy to do. Continue rin
Ingredients: Aqua, Sodium Laureth Sulfate, Sodium Chloride,
Methylchloroisothiazolinone, Methylisothiazolinone, 2-Brom



BioHygiene

A UK manufacturer with carefully selected local suppliers BioHygiene is the UK market leader in Bio technology with a vision to replace harmful non-renewable chemical products with environmental biotech products to improve human and environmental health.

- ✓ Technologies are renewable and sustainable, sourced from plant extracts, fermentation and manufacturing by-products reducing CO2e and environmental toxicity.
- ✓ Market leader in microbiology and its specific use in cleaning.
- ✓ Post Consumer Recycled bottles provide a circular life cycle reducing plastic pollution.
- ✓ Cardboard is made from 100% recycled material, is fully recycled and FSC certified (Forests for All Forever).
- ✓ Carbon neutral by using carbon offsetting with UK tree planting and VCS projects within the Amazon.
- ✓ 100% UK manufacture and supply chain.
- ✓ ISO9001:2015 & ISO14001:2015.
- ✓ Committed to continuous improvement of Social Values.
- ✓ Highly committed to the 2030 Sustainable Development Goals.
- ✓ Closed loop solutions.
- ✓ Safer for human and environment.

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Watch the video

Cleaner, Leaner, Greener



- ✓ Highly effective on hard surfaces without risk of damage
- ✓ Deep clean of porous surfaces
- ✓ Residual cleaning action makes subsequent cleaning easier
- ✓ Removes odours at source creating a safer and healthier environment



- ✓ Offers rationalisation
- ✓ Reduced cost in use
- ✓ Improved operational efficiency
- ✓ Reduced Transport & Storage



- ✓ Technology offers a 75-95% carbon footprint reduction
- ✓ No/reduced hazardous material
- ✓ No/reduced aquatic and human toxicity
- ✓ No/reduced single use plastic and waste



CO₂e Assessed



Sectors we serve



Transport



Healthcare

Public Sector

Hospitality

Food Service

Facilities Management



General Cleaning

All Purpose Sanitiser

A carbon-neutral all purpose sanitiser made from naturally derived surfactants and fermentation extracts for an eco-friendly, sustainable cleaner and disinfectant. Kills bacteria to EN1276 and EN13697. Approved to EN14476 for envelopes viruses including coronavirus 2019 n-CoV/SARS-CoV-2.

1361	5L Concentrate
1362	1L Concentrate
1363	750ml RTU
1424	Empty bottle for All Purpose Sanitiser



All Purpose Sanitiser Unfragranced

All Purpose Sanitiser Unfragranced utilises eco-friendly, naturally derived, mild surfactants and a natural fermentation extract to produce an environmentally-responsible and sustainable cleaner and disinfectant. EN1276 and EN13697. Approved to EN14476 for envelopes viruses including coronavirus 2019 n-CoV/SARS-CoV-2.

1361	5L Concentrate
1362	1L Concentrate
1363	750ml RTU
1421	Empty bottle for Unfragranced All Purpose Sanitiser





Super Conc. 1x5L makes 1,250 Triggers

All Surfaces & Floor Cleaner

A highly concentrated biotechnology based all purpose cleaning product suitable for all surfaces in all areas offering superior cleaning and odour control using renewable and sustainable ingredients.

1358	5L Concentrate
1360	1L Concentrate
1388	750ml RTU
1419	Empty bottle for All Surfaces & Floor Cleaner



Wood & Leather Polish

An eco-friendly, sustainable polish made from naturally derived surfactants and a unique blend of waxes for effective cleaning, polishing, surface protection.

1394	750ml RTU
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Glass & Stainless Steel Cleaner

A carbon-neutral, sustainable glass cleaner made from naturally derived surfactants and organic acids for an effective clean and streak-free finish.



1369	750ml RTU
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Odour Neutraliser

A powerful spray that utilises absorbent technology to quickly eliminate unpleasant odours and refresh stale or foul smelling surfaces and airways.

1396	750ml RTU
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General Cleaning

Gum, Mark & Graffiti Remover

A powerful cleaner utilising bio-based additives to remove contaminants from a range of surfaces, including chewing gum, black marks, nail varnish, ink, permanent marker and spray paint.

1383	5L RTU
1384	750ml RTU



Exterior Vehicle Wash

An eco-friendly solution specially formulated to quickly and easily remove traffic film, oil, dirt, carbon, brake dust, metal deposits and greasy residue from the exterior of trains.

1397	5L Concentrate
1398	20L Concentrate



Algae Cleaner

A specialist cleaning solution formulated with natural plant extracts, organic acid, and biodegradable surfactants that removes algae, mould, dirt and stains from all external surfaces.

1399	5L RTU
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Heavy Duty Floor Cleaner

A versatile water-based cleaner made from heavy-duty, quick breaking multi-surfactants to provide powerful, hard-action cleaning.

1382	5L Concentrate
1400	20L Concentrate



High Gloss Floor Polish

High durability, low maintenance, high gloss, floor finish for all floor types.

1426	5L Concentrate
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Floor Polish Stripper

No scrub, no rinse, floor polish stripper.

1401	5L Concentrate
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Floor Maintainer

Highly efficient emulsion for repairing scratches, removing scuff marks, improving durability and restoring gloss to floors, including those treated with permanent and semi-permanent floor seals.

1427	5L Concentrate
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Washroom

Complete Washroom Cleaner

A heavy-duty cleaner combining tailored microbes and renewable plant extracts to tackle tough washroom environments.

1364	5L Concentrate
1365	1L Concentrate
1389	750ml RTU
1420	Empty bottle for Washroom Cleaner



Super Conc. 1x5L makes 333 Triggers



Washroom 4D Sanitiser

A sustainable, all-purpose sanitiser specially formulated from naturally derived surfactants and fermentation extract to help clean, disinfect, descale, deodourise surfaces.

1402	5L Concentrate
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Urinal & Toilet Sachets

Water soluble sachets combining biological treatments to clean and deodourise urinals and toilets.

1371	Refill sachets 10x10pcs
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Urinal & Toilet Cleaner

An effective cleaner made from tailored microbes and eco-friendly surfactants to quickly clean and deodourise urinals and toilets.

1370	1L RTU
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ecobug® Extra Strong Urinal Caps

ecobug® Extra Strong Urinal Caps for use on watersplashed & waterless urinals. ecobug® Cap contains naturally occurring microorganisms, which break the urine up into its components and neutral molecules. It's easy to use. The urinal stays clean and odour-free plus protects our valuable drinking water reserves.

1144	10pcs per bucket
1145	25pcs per bucket
1146	Caps with suction cup - 25pcs per bucket



ecobug® High Performance Washroom Cleaner 1L

ecobug® High Performance Washroom Cleaner is an effective, high concentrated environmental and durable cleaner for the toilet area in general. Specially formulated for use with the ecobug® Extra Strong Urinal Cap. to prevent the growth of odour-producing bacteria, helping to manage odours. PH-neutral and safe on all washroom surfaces.

1133	1L Concentrate
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explainer video



Bio Urinal Blocks

Environmentally-friendly urinal blocks formulated with specialist microbes to reduce unpleasant odours and prevent the build up of organic and inorganic scale in urinal pipework.

1403	1bucket (1.1Kg)
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Hair Degradar

An effective enzymatic treatment that breaks down hair build-up in sinks, baths and showers.

1404	5L RTU
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Organic Acid Descaler

A powerful descaler made from organic acid and naturally derived surfactants to easily clean and restore toilet/urinal bowls and associate pipework.

1366	1L RTU
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Food Service

Kitchen Sanitiser

An all-purpose sanitiser made from natural fermentation extracts and mild, biodegradable surfactants. Kills bacteria to EN1276. Approved to EN14476 for enveloped viruses including coronavirus 2019 n-CoV/SARS-CoV-2.

1374	5L Concentrate
1373	750ml RTU
1425	Empty bottle for Kitchen Sanitiser



Super Conc. 1x5L makes 667 Triggers



Super Conc. 1x5L makes 667 Triggers

Kitchen Cleaner & Degreaser

A no rinse, no slip biotechnological cleaner for greasy floors and surfaces.

1372	5L Concentrate
1392	1L Concentrate
1373	750ml RTU
1422	Empty bottle for Kitchen Cleaner & Degreaser



Automatic Dish Wash Detergent

A powerful detergent for automatic dishwashers, removes stubborn soiling and leaves plates, crockery, cutlery and glassware sparkling. Can be used effectively in both hard and soft water areas.

1390	5L Concentrate
1405	20L Concentrate



Ecological Rinse Aid

For a perfect finish on plates, crockery, cutlery and glassware. Suitable for all automatic dish and glass washing machines.

1406	5L Concentrate
1407	20L Concentrate



Washing Up Liquid

A naturally-derived washing up liquid that quickly cuts through grease, oil and food residue to leave dishes clean and streak-free.

1376	5L Concentrate
1377	1L Concentrate



Oven & Grill Cleaner

A powerful, low-risk organic solvent that effectively removes greasy deposits and burnt on residues from cooker hobs, hoods, ovens and kitchen surfaces.

1408	5L RTU
1378	750ml RTU



Odour Neutraliser

A powerful spray that utilises absorbent technology to quickly eliminate unpleasant odours and refresh stale or foul smelling surfaces and airways.

1396	750ml RTU
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Organic Descaler HD

A highly concentrated, naturally derived solution specially formulated to easily clean and restore electrical appliances and surfaces.

1429	5L RTU
1430	1L RTU

Handhygiene

Alcohol Free Foaming Hand Sanitiser

A naturally derived, Alcohol and Quat free foaming hand sanitiser delivering a highly efficacious, more cost effective solution that is environmentally friendly, halal approved and gentle on skin.

Approved to EN1276 & EN14476

1367	5L Refill
1368	500ml RTU
1409	50ml RTU



Foam Hand Soap

An eco-friendly foam that helps maintain hand hygiene while being gentle on all skin types. Available in fragranced and unfragranced to suit all applications.

1379	5L fragranced
1380	500ml fragranced
1410	5L unfragranced
1391	500ml unfragranced
1395	500ml Luxury Foam Hand Soap fragranced

Antibac Hand Soap

Eco-friendly liquid soap that helps maintain hand hygiene and is gentle on all skin types. Available in fragranced and unfragranced for all applications.

1381	5L unfragranced
1393	5L luxury antibac hand soap
1411	5L fragranced



Fabric and laundry



Laundry Detergent

A highly concentrated, phosphate-free laundry detergent that's tough on stains and gentle on skin.

1412 | 20L Concentrate

Laundry Softener

A gentle, eco-friendly fabric softener that helps fight wrinkles and leaves fabrics feeling clean and soft.

1413 | 20L Concentrate



Laundry Destainer

A highly concentrated, biotech solution that helps lift, break down and wash away organic matter.

1414 | 20L Concentrate





Eco Laundry Detergent

A super concentrated phosphate-free laundry detergent formulated with environmentally favourable ingredients, enzymes and naturally derived water softeners and surfactants from plant based sustainable resources.

1415 10L Concentrate



Eco Laundry Softener

Environmentally friendly, naturally derived fabric softener delivering a luxury feel to fabrics with odour neutralising technology and long lasting fragrance. Reduces creases, static and improves fabric softness.

1416 10L Concentrate



Eco Laundry Destainer

A water-based mixture containing crystals of PAP (Phthalimidoperoxyacetic Acid) in stabilised suspension, offering superior bleaching and deodorising performance along with anti-microbial activity against a wide spectrum of bacteria and fungi.

1417 10L Concentrate

Soft Fabric Cleaner

An eco-friendly fabric cleaner formulated from specialist enzymes and microbes that effectively break down dirt, remove stains, and leave fabrics feeling clean and soft. Gentle on all skin types.

1418 5L Concentrate



Odour Stopper & Stain Spotter

Specifically designed biological treatment for stain and odour control in all applications.

1385 750ml RTU



Dispensing Systems

ECOSHOT – is a manual stand alone chemical dispensing system that does not require main water connection, perfect for environments with fluctuating water pressure.

ACCURACY – Optional built in delay function to prevent overdosing once a shot of chemical has been dosed.

SAFETY – accidental activation is avoided as the optional push and twist operation ensures that the push button has to be twisted then pushed firmly in order to dose the chemical.

MULTIPURPOSE – Suitable for bucket and bottle dosing. Individual pumps are required.



ECOMULTI – a venturi system that dilutes up to six chemicals from one dispenser. The unit is ideal for use with spray bottles, buckets or scrubber dryers. The system is designed with two separate proportioners, making it suitable for combining high flow (14L/min) and low flow (4L/min) applications.

VERSATILE – ECOMULTI offer a reliable and cost-effective way of diluting multiple chemicals from one dispenser. Connected to the water mains, it's the ideal solution for even the smallest cleaning environments.

ACURATE – specialist technology provides precise dilution ratios and the intuitive six dial product selector avoids any chemical selection error.

SAFE – Secure chemical cabinets can be installed on either side of the dispenser to control access to hazardous chemicals and prevent tampering. For ease of use, our ECOMULTI chemical dilution system comes with stick-on colour-coded pictogram labels to help operators find the right cleaning solution to get the job done.

- Dispenses up to six chemicals.
- Two separate proportioners, making it suitable for combining high flow (14L/min) and low flow (4L/min) applications.
- Patented dilution technology offering precise dilution ratios
- Intuitive 6-dial product selector to avoid chemical selection error
- Colour-coded pictograms to aid identification of correct cleaning chemical and use
- Easily installation



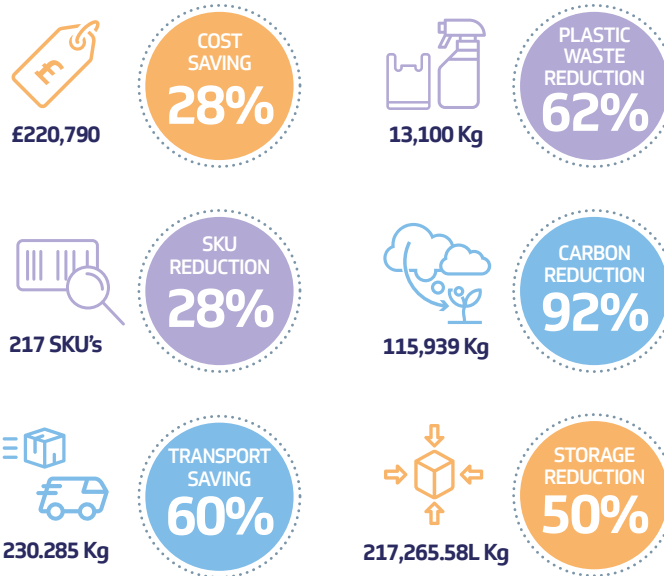
Why Choose BioHygiene?

BioHygiene is the leading biotech cleaning brand in the UK. Launched in 2016, we've helped over 500 businesses reduce their environmental impact by transitioning from harmful, non-renewable chemicals to eco-friendly products designed to meet the needs and demands of the modern world.

We believe that you don't need to compromise on quality or cost to be sustainable – that biotech cleaning can be more effective, and easier to use than traditional chemical products.

Free from hazardous toxins, our enriched formulas combat odours directly at the source and keeps them at bay long after application. With powerful, long-lasting cleaning action, our multi-purpose biotechnology helps extend product shelf-life, whilst our PCR and FSC packaging works to reduce pollution and sustain the environment.

The benefits of switching to BioHygiene

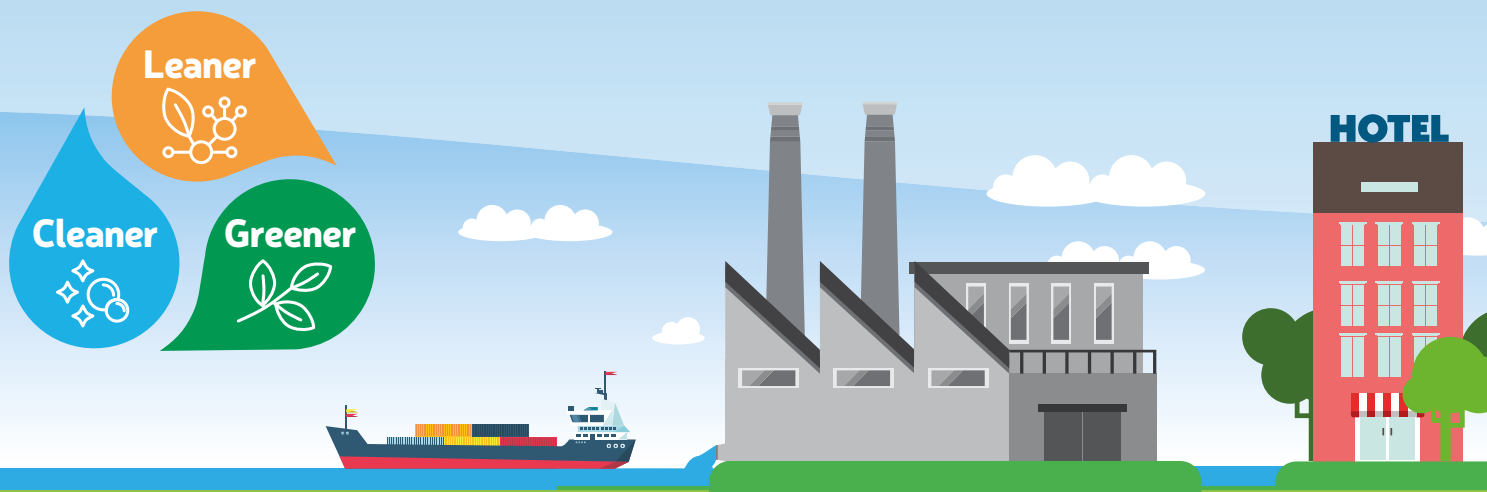


How cleaning biotechnology works

Cleaning products attack dirt on surfaces by emulsifying, lifting, dispersing, sequestering, suspending and decomposing soils. Active agents (surfactants) stir up activity on surfaces to help trap and remove dirt. Surfactants may act as detergents, wetting agents, emulsifiers, foaming agents, or dispersants.

Surfactants are a primary component of cleaning detergents. Anionic surfactants (positively charged) are excellent for lifting and suspending particulate soils, while nonionic surfactants (neutrally charged) are very good at emulsifying oils and removing organic soils. They are frequently used together to create multi-purpose cleaners.

Amphoteric surfactants can be anionic, cationic (negatively charged) or neutral. They are often used as co-surfactants because of their mild nature and foam boosting properties. Cationic surfactants are commonly used in fabric softeners, antistatic agents, rinse, corrosion inhibitors, particle dispersants, emulsifiers and biocides.



Our Technology

Our market-leading cleaning products harness the power of microbes, enzymes and natural plant extracts that work deep into surfaces to quickly break down and remove dirt, grime and grease.

Microbes

The microbes, specifically bacteria, in BioHygiene products, are present in the spore form. When the bacteria are introduced to suitable conditions, the spores germinate and the bacteria begins to grow, colonising the area of application.



Bacteria grow by simple cell division, i.e. one cell divides into two, two cells into four and so on. This can happen extremely quickly, for example every 20 minutes under ideal conditions.

Like many other bacteria, the bacteria in our products prefer to grow as biofilms on suitable surfaces, making it easy for it to penetrate deep into cracks, crevices and other porous surfaces where traditional cleaning can't reach.

The bacterial population breaks down organic matter by the production and secretion of enzymes. Enzymes help to break down complex molecules into simpler, smaller molecules that

bacteria can take up into their cells and use for energy and growth. This "feeding" process is what removes organic soiling and prevents unpleasant odours, providing long-term cleaning action.

Enzymes are proteins that speed up biological reactions. Examples include:

- **Amylase** – breaks down starch
- **Cellulase** – degrades cellulose (e.g. vegetable matter)
- **Lipase** – breaks down fats, oils and greases
- **Protease** – digests proteinaceous matter
- **Uricase** – breaks down uric acid

Free Enzymes

Enzymes are added directly to our formulations, where they are referred to as "free enzymes". They work in exactly the same way as bacterial enzymes, providing immediate action by breaking down organic matter and eliminating odours.

Free enzymes are used in conjunction with bacteria to provide an initial "kick-start" of activity until the microbial population is established and the bacteria start to do their work.

Organic Acids

Organic acids, such as lactic acid and citric acid, are produced by fermentation and can therefore be regarded as completely natural products. They are less hazardous than traditional mineral acid alternatives like hydrochloric acid and sulphuric acid, and have far more favourable environmental profiles. Organic acids have excellent cleaning and descaling properties and some are useful disinfectants.



Plant Extracts

Plant extracts absorb or bind to odiferous molecules, removing unpleasant odours. Others have disinfecting properties, where regulations allow.



Ingredient selection

At BioHygiene, we make intelligent surfactant choices from the start, using biodegradable, sustainable, bio accumulative ingredients that achieve high performance with minimal human or environmental impact.

Our eco-solvents are made entirely from renewable, biobased resources that replace and reduce conventional solvent and hazardous chemicals and achieve a neutral or positive CO2e impact.

We use a combination of Ecotec and Biotech ingredients, including plant extracts, microbes, enzymes and fermentation extracts, all with favourable ecotoxicity profiles and low health hazards. Extraction of raw materials is carried out in Europe, reducing transport-related CO2e from

sourcing ingredients by 90% compared to chemical technology.

Our ingredients are first class degreasers and have excellent solvency and soil-penetrating properties, providing a multifunctional cleaning boost and enhancing performance safely and responsibly. They are readily and rapidly biodegradable, carbon-neutral and contain no environmentally hazardous ingredients.

High dispersant power leads to improved product properties and performance. An absence of volatile organic compounds means there are no flammability concerns. Our technology uses powerful chelating agents to bind hard-water metal ions that interfere with the cleaning

process. They are made from natural, biodegradable, renewable raw materials, providing a greener alternative to traditional chelates such as EDTA and NTA.

Raw material selection often has a trade-off between flammability, health hazards, ecotoxicity, sustainability, efficacy, and cost. Chemicals used in traditional cleaning products are frequently derived from non-renewable resources, such as petrochemicals, and are harmful to human health and the wider environment. High levels of volatile organic compounds (VOCs), storage, and transport can also be issues for traditional removers.

Packaging

We pack our products in post-consumer recycled plastic bottles. Bottles that have completed their lifecycle are collected and transported to recycling facilities and made into PCR resin. New bottles are made from PCR resin, providing a circular life cycle. Using PCR bottles helps us stop single-use plastic, reduce physical plastic pollution, and lower CO2e by up to 85%.

Biotechnology is incredibly effective at 'super' concentration levels, which helps to reduce the amount of product needed to achieve a superior clean. When combined with refillable PCR

bottles, our products achieve up to 90% reduction in single-use plastic bottles, transport weight, storage, and overall environmental impact.

We box and ship our products in cardboard made from 80% recycled material. These boxes can be fully recycled and are FSC (Forests for All Forever) certified.



Space for Notes



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