2026 EDITION

GEARTH

BIOLOGICAL · ENVIRONMENTAL · INDUSTRIAL



The Solutions Portfolio

Catalysts for Change

01 OPENING STATEMENT

Better systems don't begin with stronger chemistry.

They begin with smarter chemistry.

Every surface, drain, machine and system is connected to something downstream. GEARTH designs for that connection — formulations selected around both the immediate task and what happens downstream.

THE CHALLENGE — SEQUENCE 01 → 04

01 — AT THE SURFACE

Grease, soils, stains, scale, pathogens and heavy contamination create visible operational problems.

02 — THROUGH THE SYSTEM

What is used upstream continues into drains, grease traps, septic systems, sewer networks, wastewater infrastructure and downstream environments.

03 — AT SITE LEVEL

When chemistry is not system-compatible, the result is higher water use, maintenance demand, odour risk, downtime, disposal pressure and operating cost.

04 — THE GEARTH RESPONSE

04 — THE GEARTH RESPONSE

Treat the system, not only the symptom.

GEARTH brings together biological technologies, responsible chemistry and specialist environmental solutions designed around how products perform at the point of use — and what happens after they leave it.

02 · THE SCALE OF THE RANGE

41 solutions. 10 systems. One environment.

GEARTH brings together biological technologies, modern chemistry and practical environmental solutions across commercial, industrial and everyday environments.

WHY THE RANGE EXISTS

AT THE POINT OF USE

Cleaning, grease, scale, stains, pathogens and operational contamination create immediate performance problems.

DOWNSTREAM

What is used upstream continues into drains, sewer lines, septic systems, wastewater infrastructure and treatment systems.

ACROSS THE SITE

Water, maintenance, infrastructure, environmental performance and operating cost are part of the same operational system.

GEARTH connects those decisions instead of treating them as separate purchasing categories.

FOUR OPERATING ENVIRONMENTS — THE TEN SOLUTION SYSTEMS ARE GROUPED WITHIN THEM

09	14	10	08
BUILT ENVIRONMENTS	FOOD, HYGIENE & TEXTILES	WATER & LAND	INDUSTRY & SPECIALIST

03 · ABOUT

Better solutions come from understanding the system first.

GEARTH develops and supplies modern cleaning, biological and environmental solutions designed around the realities of commercial, industrial and everyday environments.

Our approach brings together responsible chemistry, enzyme technology, beneficial biological systems and practical performance.

From commercial kitchens and laundry systems to wastewater infrastructure, agriculture, industrial operations and environmental management, GEARTH provides smarter ways of addressing the systems we depend on every day.

We believe that environmental responsibility and effective performance should not exist in opposition.

We do not treat every problem with the same chemistry.

Some applications need responsible, biodegradable performance at the point of use. Others benefit from biological systems designed to address the organic load itself — and, where applicable, continue working downstream.

- Choose the mechanism that fits the problem, and the result holds — at the surface, through the system and at site level.
- Every product in this portfolio is selected on that basis — and our team will help you match it to your operation.



Catalysts for Change.

04 · HOW WE THINK

Four principles behind every formulation.

01 Biology

Harnessing microorganisms, enzymes and biological processes where they can provide smarter solutions — treating the load, not only the surface.

02 Chemistry

Selecting formulations around performance, application and responsible chemistry — using more considered ingredients and technologies wherever practical.

03 Systems

Understanding that cleaning, sanitation, wastewater and environmental management are interconnected — and that what leaves a drain arrives somewhere else.

04 Performance

Environmental responsibility must still translate into reliable real-world results, in working environments that do not forgive underperformance.

TWO FORMULATION APPROACHES. ONE SYSTEM PHILOSOPHY.

Both approaches are designed to perform at the point of use. The distinction is what does the work — and, in biological applications, whether that activity can continue beyond the immediate task.

RESPONSIBLE CHEMISTRY

ECO-CONSCIOUS FORMULATION

Performance-led formulations using selected surfactants, acids, oxygen systems, disinfectant actives, solvents, polymers and specialist treatment chemistry. These products are designed to clean, sanitise, protect or maintain effectively at the point of use, while reducing unnecessary environmental burden and remaining compatible with the wider system where required.

POINT OF USE	Immediate cleaning, hygiene, maintenance or protection.
PRIMARY ACTION	Selected performance chemistry.
SYSTEM ROLE	Responsible formulation and downstream compatibility where required.

BIO-ENZYME TECHNOLOGY

BIOLOGICAL MODE OF ACTION

Formulations in which enzymes and/or beneficial microorganisms are a primary part of the mode of action. They deliver the immediate cleaning or treatment task at the point of use and, where the formulation, application and conditions allow, can continue acting on organic load within connected drains, grease traps, sewer lines, septic systems and wastewater infrastructure.

POINT OF USE	Immediate cleaning or biological treatment.
PRIMARY ACTION	Enzymes and/or beneficial microorganisms.
SYSTEM ROLE	Continued biological activity where conditions permit.

Same point of use. Different mode of action. Biological formulations continue beyond it.

05 · CONTENTS

The GEARTH Solutions Map

Forty-one products in ten solution systems, grouped by the environment they work in. Every product has one primary home; other appearances are cross-references.

TECHNOLOGY KEY ◉ BIO-ENZYME ⬡ RESPONSIBLE CHEMISTRY

BUILT ENVIRONMENTS
Facilities · Floors

01 Cleaning & Facility Care — 2 PRODUCTS · P. 07
02 Floor Care & Protection — 4 PRODUCTS · P. 10

FOOD, HYGIENE & TEXTILES
Kitchens · Laundry

03 Food Service & Kitchen Hygiene — 5 PRODUCTS · P. 12
04 Hygiene, Washroom & Personal Care — 7 PRODUCTS · P. 15
05 Laundry & Textile Care — 4 PRODUCTS · P. 18

WATER & LAND
Wastewater · Agriculture

06 Drain, Sewer, Septic & Wastewater — 6 PRODUCTS · P. 21
07 Agriculture, Organic Waste & Animal — 3 PRODUCTS · P. 25

INDUSTRY & SPECIALIST
Mining · Fleet · Energy · Healthcare

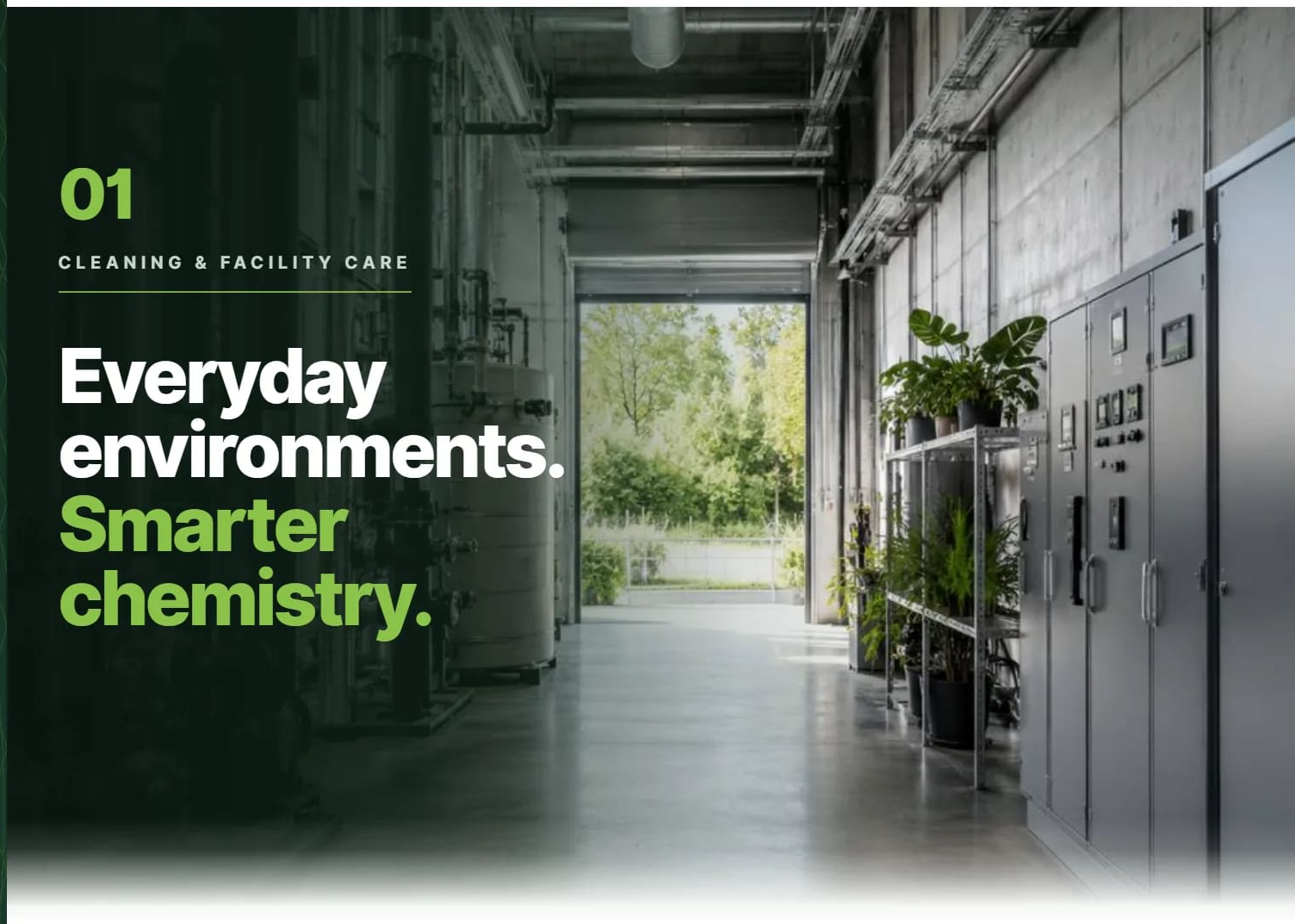
08 Industrial & Asset Care — 5 PRODUCTS · P. 26
09 Environmental Remediation & Site Control — 3 PRODUCTS · P. 27
10 Healthcare & Specialist Instrument Care — 2 PRODUCTS · P. 28

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Industries we serve p. 29

SIGNATURE
The GEARTH Ecosystem p. 30

TECHNICAL
Documentation & support p. 32

CONTACT
Talk to GEARTH p. 33



01

CLEANING & FACILITY CARE

Everyday environments. Smarter chemistry.

SECTION 01

The broadest family in the portfolio, and the one most buildings meet first — general cleaning, grease removal and maintenance across commercial facilities, workshops, industrial floors and managed property. Two core formulations carry the family; specialist solvent, floor and kitchen chemistry is cross-referenced from the systems that own it.

APPLIED ENVIRONMENTS

01
Commercial facilities & managed property

02
Workshops, plant rooms & maintenance bays

03
Industrial floors & production areas

04
Fleet, transport & loading environments

PRODUCT FAMILIES

01.1
Multipurpose Cleaner
BIO-ENZYME

01.2
Heavy Duty Degreaser
BIO-ENZYME
HERO · P. 08

Also used in
03 · Food Service & Kitchen Hygiene

Related system
08 · Industrial & Asset Care

01.1 · GENERAL CLEANING

BIO-ENZYME TECHNOLOGY

GEARTH Multipurpose Cleaner

One cleaner for surfaces, washrooms and the drains behind them.

An all-purpose bio-enzyme cleaner and odour-control product working across surfaces, washrooms and drains — floors, tiles, glass, stainless steel, sanitaryware and refuse areas. Organic soil is digested rather than masked, and the same wash water carries beneficial organisms into the drain line behind it.



PACK SHOWN · 5 L

KEY ADVANTAGES

01 Digests organic soil and odour at source rather than masking it

02 Dilutes from undiluted on heavy soil to 1:500 for routine floor work

03 Wash water carries beneficial organisms into the drain line behind it

IDEAL APPLICATIONS

Floors · Tiles & glass · Stainless steel · Sanitaryware · Washrooms · Refuse areas · Drain lines

PACKAGING

100 ml × 24 (box) · 5 L · 25 L · 210 L · 1 000 L · Shelf life 12 months

TECHNICAL METADATA

FAC PRO

SDS · TDS · TECHNICAL SUPPORT

THE RANGE

One heavy-duty degreaser — and the systems the rest of the work belongs to.



01.2 LEAD PRODUCT · INDUSTRIAL DEGREASING

GEARTH Heavy Duty Degreaser

BIO-ENZYME TECHNOLOGY

INDUSTRIAL DEGREASING

A water-based bio-enzyme degreaser formulated with hydrocarbon-degrading cultures. Petrol, diesel, motor and fuel oils, grease, antifreeze, hydraulic and brake fluid, ATF and cutting fluids are converted to carbon dioxide and water rather than displaced into effluent. A buffer system holds pH constant across heavy acidic loading.

DILUTION

Undiluted on heavy soil · diluted to soil level

PACKAGING

5 L · 25 L · 210 L · 1 000 L · Shelf life 12 months

WHERE FACILITY CLEANING CONTINUES

Continues into

08 · Industrial & Asset Care

EcoSolve, EcoSolve Pro and ClearScale carry solvent and scale work on plant, fleet and process equipment.

Do not run harsh biocides, bleach or disinfectants alongside the bio-enzyme range — they suppress the organisms doing the work.

Also used in

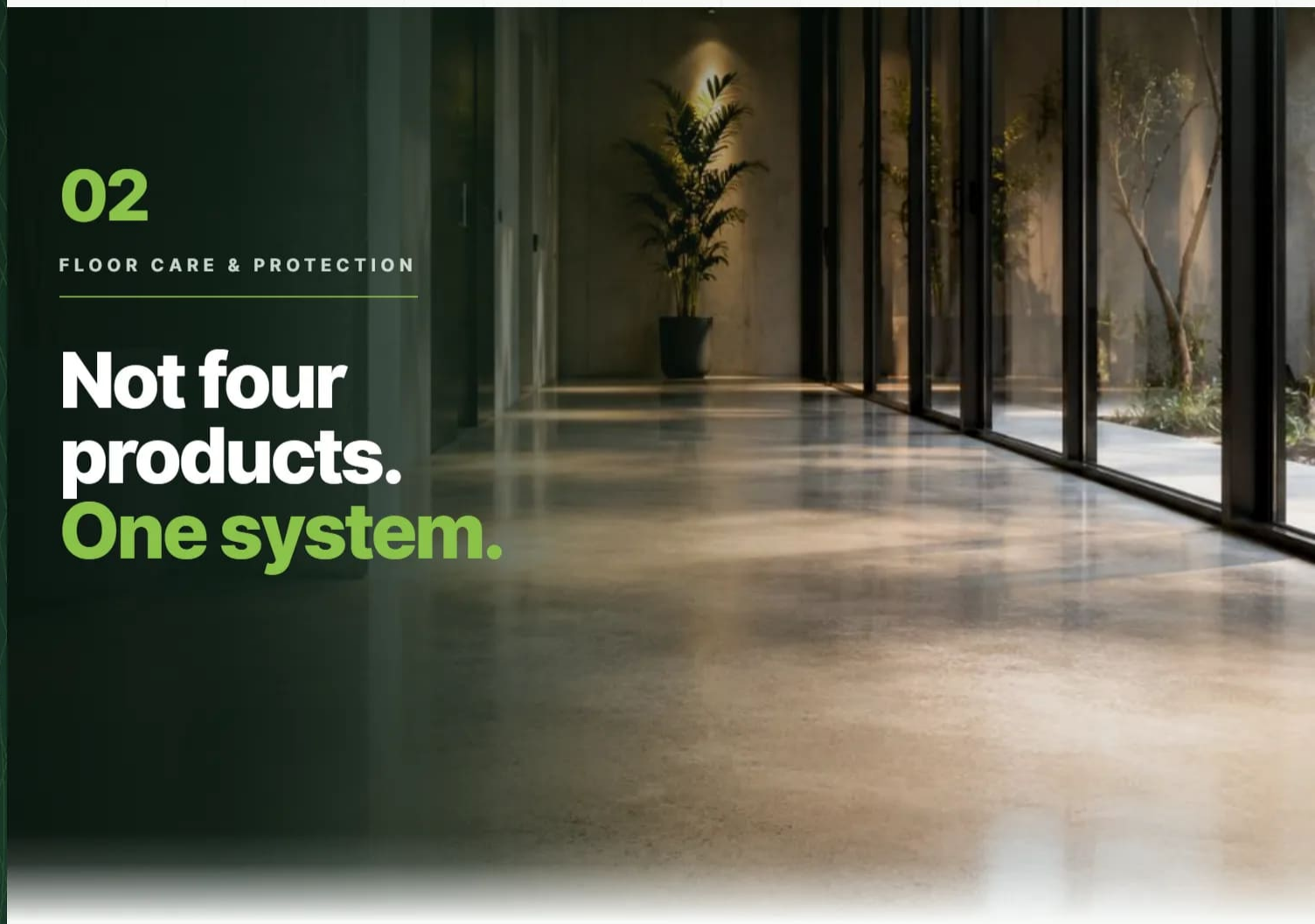
03 · Food Service

Heavy Duty Degreaser is specified on the cook line and extraction where kitchen soils exceed the food-area range.

Downstream

06 · Drain & Wastewater

Everything used on a floor or surface reaches a drain. Cleaning chemistry is specified alongside the biology dosed below it.



02

FLOOR CARE & PROTECTION

Not four products. One system.

SECTION 02

Professional floors are maintained in stages, not in a single pass. GEARTH's floor range is built to work in sequence — each product handing the surface on to the next, from first strip through to long-term protection.

APPLIED SURFACES

01
Sealed & polished concrete

02
Resin & epoxy coatings

03
Vinyl & hard commercial flooring

04
Parquet, stone & terracotta finishes

PRODUCT FAMILIES

02.1
FloorLift
RESPONSIBLE CHEMISTRY

02.2
FloorGlow
RESPONSIBLE CHEMISTRY

02.3
FloorShield 15
RESPONSIBLE CHEMISTRY

02.4
FloorShield 25
RESPONSIBLE CHEMISTRY

THE PROFESSIONAL FLOOR CARE SYSTEM

The lifecycle of a professional floor.

FloorLift strips the old coating; FloorGlow maintains and re-glosses between cycles. FloorShield 15 and 25 are eco-friendly sealing and glazing systems — **what the 15 and 25 designations represent is not stated in the supplied documentation**.

STEP 01
Prepare



02.1
FloorLift

RESPONSIBLE CHEMISTRY

STRIPPER · NON-AMMONIATED

Removes acrylic polymer polish, dressing and sealer before resealing. Dilute up to 1:5 with water by coating thickness, leave to dwell, scrub and rinse. pH 12–13.

Pack sizes · 5 L · 25 L · 210 L · 1 000 L

STEP 02
Seal



02.2
FloorGlow

RESPONSIBLE CHEMISTRY

POLISH & MAINTENANCE

Wax, polymer and resin polish laying a high-gloss protective film. Mop and bucket application at 1:10 — no specialist machinery. PVC, masonic, stone, parquet and certain terracotta.

Pack sizes · 5 L · 25 L · 210 L · 1 000 L

STEP 03
Glaze



02.3
FloorShield 15

RESPONSIBLE CHEMISTRY

SEALING & GLAZING

Eco-friendly floor sealing and glazing application for protected, low-maintenance floors.

Pack sizes · 5 L · 25 L · 210 L · 1 000 L

STEP 04
Maintain



02.4
FloorShield 25

RESPONSIBLE CHEMISTRY

SEALING & GLAZING

Eco-friendly floor sealing and glazing application, supplied alongside FloorShield 15.

Pack sizes · 5 L · 25 L · 210 L · 1 000 L



03

FOOD SERVICE & KITCHEN HYGIENE

Where cleaning and safety are the same job.

SECTION 03

Commercial kitchens run two cleaning problems at once: heavy carbonised grease, and surfaces that food touches minutes later. This family separates the two jobs properly: heavy-duty degreasing where load is high, bio-enzyme wash-up chemistry that keeps working in the trap below.

APPLIED ENVIRONMENTS

01
Commercial & institutional kitchens

02
Food production & processing areas

03
Wash-up, extraction & back-of-house

04
Hospitality, catering & QSR groups

PRODUCT FAMILIES

03.1
BioDish
BIO-ENZYME

03.2
DishPro
RESPONSIBLE CHEMISTRY

03.3
RinsePro
RESPONSIBLE CHEMISTRY

03.4
FoodPro
RESPONSIBLE CHEMISTRY

03.5
BioCater
BIO-ENZYME

Continues into
06.6 BioTrap · Grease interception

APPLICATION MAP

One kitchen, four zones, four different chemistries.

Specification by zone rather than by product — the fastest way to get the right formulation onto the right surface. **[ZONE SUITABILITY TO BE VERIFIED against confirmed product data]**.

ZONE A

Cook line

Ranges, fryers, salamanders, extraction canopies. Carbonised fat and baked-on grease under heat.

SPECIFY

01.2 Heavy Duty Degreaser

Cross-referenced from 01 · Cleaning & Facility Care

ZONE B

Preparation

Benches, boards, stainless surfaces and handling points where food contact follows cleaning.

SPECIFY

03.4 FoodPro

Heavy grease & equipment cleaning · disinfect after cleaning

ZONE C

Wash-up

Pot wash, sinks and manual dishwashing — high-frequency, high-contact, hand-in-water work.

SPECIFY

03.1–03.3 BioDish · DishPro · RinsePro

Manual, automatic and rinse · metered dosing

ZONE D

Drainage

Grease traps, gullies and outflow lines — where kitchen fat becomes a downstream problem.

SPECIFY

06.6 BioTrap

Continues into 06 · Drain, Sewer & Wastewater Biology

SYSTEMS VIEW · THE KITCHEN DOES NOT END AT THE KITCHEN

03 → 06

01	02	03	04	05
Kitchen & wash-up	**Grease interception**	**Drain & gully**	**Sewer & pump station**	**Septic & wastewater**
03.1–03.5	06.6 BioTrap	06.4 DrainZyme	06.3 · 06.1	06.2 Septic BioFlow

THE RANGE

Five formulations, specified by zone.



03.1

BioDish

BIO-ENZYME

MANUAL WASH-UP · NEUTRAL PH

Highly concentrated bio-enzyme dishwashing liquid — grease-cutting at the sink, and fat-digesting organisms carried into the trap, drain line and septic system with every wash.

Pack sizes · 5 L · 25 L · 210 L · 1 000 L



03.2

DishPro

RESPONSIBLE CHEMISTRY

AUTOMATIC WAREWASHING

Low-foaming machine detergent with sequesterants for hard water, metered by peristaltic pump. Specified with RinsePro as a wash-and-rinse pair.

Pack sizes · 25 L · 210 L · 1 000 L



03.3

RinsePro

RESPONSIBLE CHEMISTRY

RINSE AID

Low-foaming rinse aid with hard-water sequesterants for quick drying and reduced spotting or filming. Metered by peristaltic pump alongside DishPro.

Pack sizes · 25 L · 210 L · 1 000 L



03.4

FoodPro

RESPONSIBLE CHEMISTRY

FOOD PROCESSING DEGREASER

Solvent-free heavy-duty degreaser and general cleaner formulated for use in food processing and commercial kitchen environments. High-foaming; suitable for spray foaming, ovens and pre-soaking.

Pack sizes · 5 L · 25 L · 210 L · 1 000 L



03.5

BioCater

BIO-ENZYME

KITCHENS, PROCESSING & ABATTOIRS

Bio-enzyme cleaner for embedded fats, oils and grease on surfaces and equipment, supporting the drains and traps behind them. Food-contact surfaces must be disinfected separately after cleaning.

Pack sizes · 5 L · 25 L · 210 L · 1 000 L



06.6

BioTrap

BIO-ENZYME

GREASE INTERCEPTION

Fat, oil and grease leaving the wash-up is treated at the trap — 833 ml dosed after hours, daily, with product strength stepped by trap volume. Documented in 06.

Pack sizes · 100 ml × 36 (box) · 5 L · 25 L · 210 L · 1 000 L



04

HYGIENE, WASHROOM & PERSONAL CARE

Disinfection without collateral damage.

SECTION 04

Sanitation chemistry is judged twice — once on the surface, and again in the drain it runs into. This family covers surface disinfection, hand and body hygiene, and washroom odour control, specified for high-traffic environments where cleaning happens repeatedly, every day.

APPLIED ENVIRONMENTS

01
Public & commercial washrooms

02
Healthcare & care facilities

03
Schools, gyms & shared facilities

04
Mining & industrial ablutions

PRODUCT FAMILIES

04.1 PureSurface
RESPONSIBLE CHEMISTRY
HERO · P. 16

04.2 PureSan
RESPONSIBLE CHEMISTRY

04.3 PureBody
BIO-ENZYME

04.4 PureWash Powder
RESPONSIBLE CHEMISTRY

04.5 P-Blocks
BIO-ENZYME

04.6 FreshFlush
BIO-ENZYME

04.7 CleanGrip
RESPONSIBLE CHEMISTRY
WATERLESS



PACK SHOWN · 5 L

04.1 · SURFACE DISINFECTION

RESPONSIBLE CHEMISTRY

GEARTH PureSurface

Hard-surface disinfection for spaces that are cleaned all day.

A bio-based lactic-acid hard-surface disinfectant with surfactants, for food, industrial, institutional and domestic environments. Surfaces are first cleaned and degreased with FoodPro and rinsed; PureSurface is then applied undiluted or up to 1:15 for bactericidal work, undiluted for fungicidal and sporicidal, and rinsed off with clean water.

KEY ADVANTAGES

01 Bactericidal 5 min · fungicidal 15 min · sporicidal 60 min contact

02 Lactic-acid, bio-based active system rather than a chlorine donor

IDEAL APPLICATIONS

Food & beverage · Industrial · Institutional · Healthcare · Domestic

DILUTION

Up to 1:15 bactericidal · undiluted for fungicidal & sporicidal

PACKAGING

5 L · 25 L · 210 L · 1 000 L · Shelf life 24 months

TECHNICAL METADATA

HYG PRO

SDS · TDS

THE RANGE

Surfaces, hands and the washroom below them.

Six further products completing the family — sanitising, personal care and the dosed washroom products that treat odour as a drainage matter rather than a fragrance one.



04.2

PureSan

RESPONSIBLE CHEMISTRY

ALCOHOL-FREE QAC HAND SANITISER

Alcohol-free, non-flammable quaternary ammonium sanitiser, specifiable where alcohol is an ignition or ingestion risk. Apply 2 ml; 15-second wet contact, residual protection up to 4 hours.

Pack sizes · 5 L · 25 L · 210 L · 1 000 L



04.3

PureBody

BIO-ENZYME

PROBIOTIC SHOWER GEL & HAND WASH

Cosmetic-grade moisturising wash formulated with probiotics that stay active on the skin after rinsing. Benefits septic, plumbing, reed-bed, sewer and greywater systems downstream.

Pack sizes · 5 L · 25 L · 210 L · 1 000 L



04.4

PureWash Powder

RESPONSIBLE CHEMISTRY

MANUAL LAUNDRY POWDER · HAND WASHING

High-foaming, phosphate-free, readily biodegradable powder for hand washing. One scoop per lightly soiled load; soak one hour, wash and rinse. Septic compatible; specified for hard water.

Pack sizes · 5 kg · 10 kg · 20 kg



04.5

P-Blocks

BIO-ENZYME

BIOLOGICAL URINAL BLOCKS

Fragranced 45 g block dosing a bacterial consortium into urinals, U-traps and downstream pipes — odour reduction by digestion, not masking. 8 × 10^7 CFU per source.

Pack sizes · 100 × 45 g (box)



04.6

FreshFlush

BIO-ENZYME

BIO-ENZYME CISTERN BLOCK

Cistern block carrying a nine-enzyme system into the pan and sewer line with each flush. Place opposite the inlet; replace when the blue colour fades.

Pack sizes · 100 g



04.7

CleanGrip

RESPONSIBLE CHEMISTRY

WATERLESS HAND CLEANER & DEGREASER

Cosmetic-grade waterless hand cleanser for heavy grease and grime — workshops, mines and garages where water at the point of use is limited.

Pack sizes · 5 L · 20 L

PRODUCT ASSURANCE

GEARTH supplies purpose-developed cleaning, hygiene and biological treatment solutions selected for performance, responsible application and suitability across commercial, industrial and everyday environments. Product specifications, technical information and supporting documentation are available for each solution where applicable.



05

LAUNDRY & TEXTILE CARE

Every wash ends up somewhere.

SECTION 05

Laundry is the household and facility process with the most direct line to a septic tank, a reed bed or a river. GEARTH formulates laundry as both a cleaning and water-discharge decision: probiotic and bio-based formulations that perform through the wash cycle and, where applicable, continue biological activity after the water leaves the machine.

APPLIED ENVIRONMENTS

01
Domestic & retail households

02
Hospitality & commercial laundries

03
Off-grid sites on septic or reed-bed systems

04
Workwear, PPE & heavy-soil textiles

PRODUCT FAMILIES

05.1
Probiotic Laundry Wash
BIO-ENZYME
HERO · P. 19

05.2
PureSoft
RESPONSIBLE CHEMISTRY

05.3
PureOxy Stain
RESPONSIBLE CHEMISTRY

05.4
PureOxy Wash
RESPONSIBLE CHEMISTRY

05.1 · PROBIOTIC LAUNDRY

BIO-ENZYME TECHNOLOGY

GEARTH Probiotic Laundry Wash

A wash that keeps working after the water leaves the drum.

A natural plant- and microbe-based laundry liquid. It works through the wash cycle and continues to deep clean for days afterwards, controlling laundry mould, mildew, pathogens and machine odour through Competitive Exclusion — and actively benefiting septic systems, reed beds, greywater and treatment plants with every load.



PACK SHOWN · 5 L

KEY ADVANTAGES

01 Actively benefits septic tanks and reed beds rather than loading them

02 Controls mould, mildew and machine odour by Competitive Exclusion

03 Mild fabric-softening effect; phosphate free

IDEAL APPLICATIONS

Households · Hospitality laundry · Off-grid & septic sites · Greywater reuse

DOSING

By load size and soil level

PACKAGING

5 L · 25 L

TECHNICAL METADATA

HOME BIO RETAIL

TDS AND MSDS AVAILABLE — CURRENT REVISION ON FILE

THE RANGE

Three more formulations across household and commercial scale.



05.2

PureSoft

RESPONSIBLE CHEMISTRY

FABRIC SOFTENER · PLANT-DERIVED

Phosphate- and dye-free concentrated softener, natural in colour. A capful or two softens a full load and leaves a lingering fragrance; safe for all septic tank types and sewer systems.

Pack sizes · 5 L · 25 L · 210 L · 1 000 L



05.3

PureOxy Stain

RESPONSIBLE CHEMISTRY

OXYGEN STAIN REMOVER · 30 G SACHETS

Powder that releases micro oxygen bubbles on contact with water, lifting stains, odour and germs without chlorine bleach damage. Colour safe; by-products safe for septic, wastewater and bio-enzyme systems.

Pack sizes · 30 g × 100 (box) · 5 kg · 20 kg



05.4

PureOxy Wash

RESPONSIBLE CHEMISTRY

OXYGEN BLEACH POWDER · 3-ENZYME

Concentrated phosphate-, chlorine- and EDTA-free washing powder pairing fabric-safe oxygen bleaching with protease, alpha-amylase and lipase. Effective at lower wash temperatures.

Pack sizes · 5 kg · 10 kg · 20 kg

CONTINUES INTO Wash water leaves the machine and enters a drain, a septic tank or a reed bed. Where a site discharges to those systems, laundry chemistry is specified alongside 06 · Drain, Sewer & Wastewater Biology rather than in isolation.



06

DRAIN, SEWER & WASTEWATER

The family the rest of the portfolio was built around.

SECTION 06

Six biological products covering the drainage chain end to end — grease interception at the kitchen, drain and pump-station dosing, septic and sewer systems. Dosed as a programme, it changes the maintenance problem rather than deferring it.

APPLIED SYSTEMS

01 Septic tanks & conservancy systems

02 Municipal & private sewer lines

03 Treatment plants & package plants

04 Reed beds & constructed wetlands

PRODUCT FAMILIES

06.1
Sewer BioFlow
BIO-ENZYME
HERO · P. 23

06.2
Septic BioFlow
BIO-ENZYME

06.3
PumpFlow Pro
BIO-ENZYME

06.4
DrainZyme
BIO-ENZYME

06.5
P-Pods
BIO-ENZYME

06.6
BioTrap
BIO-ENZYME
FROM 03 · KITCHENS

THE TREATMENT CHAIN

Follow the water. Every stage is a dosing point.

Wastewater problems present at the end of the chain and are usually solved further up it. **[DOSING POINTS AND RATES TO BE VERIFIED against confirmed product data]**.

STAGE 01

Source

Kitchens, ablutions, laundries and process areas — where the organic load enters.

DOSE WITH

05.1 Probiotic Laundry Wash
03.1–03.5 Kitchen range

STAGE 02

Interception

Grease traps, gullies and interceptors holding fat before it reaches the line.

DOSE WITH

06.6 BioTrap

STAGE 03

Drain

Drains, gullies and internal lines carrying the load away from the building.

DOSE WITH

06.4 DrainZyme
06.5 P-Pods

STAGE 04

Sewer & pump

Sewer lines, pump stations and rising mains — blockage and odour territory.

DOSE WITH

06.3 PumpFlow Pro
06.1 Sewer BioFlow

STAGE 05

Septic & discharge

Septic and conservancy tanks, package plants, reed beds and final release.

DOSE WITH

06.2 Septic BioFlow

SPECIFICATION

Dosing regimes are site-specific: load, retention time, temperature and existing system condition all change the programme. GEARTH specifies against the system, not the SKU.



PACK SHOWN · 25 L

06.1 · SEWER LINE BIO-AUGMENTATION

BIO-ENZYME TECHNOLOGY

GEARTH Sewer BioFlow

Treat the line, not the blockage.

A proprietary treatment of selected bacterial and microbial strains that produce high concentrations of digestive enzymes in wastewater and sewer environments. Rather than dosing chemistry that masks poor digestion, it bio-augments the microbial population the plant already depends on. Available in liquid, super-concentrate and powder to suit existing dosing systems.

KEY ADVANTAGES

01 Targets sludge volume — the primary cost driver in plant operation

02 Continuous, automated dosing into plants and pump stations

03 Liquid, super-concentrate and powder forms for existing infrastructure

IDEAL APPLICATIONS

Municipal sewer lines · Pump stations · Estate reticulation · Hospitality groups

DOSING REGIME

Continuous dosing · rate site-specific

PACKAGING

Sewer BioFlow Liquid · 25 L · 210 L · 1 000 L

Sewer BioFlow Powder · 20 kg

TECHNICAL METADATA

WATER BIO MUNI

SDS · TDS · SITE DOSING PROGRAMME

THE RANGE

Five further products, matched to the point in the chain.



06.2

Septic BioFlow

BIO-ENZYME

SEPTIC TANKS, SYSTEMS & DRAIN LINES

Enzyme-producing powder blending aerobic and facultative anaerobic bacteria cultivated from South African soils. Digests solid waste and the fats, oils and greases that progressively block drain lines and septic systems.

Pack sizes · 1 kg · 5 kg · 20 kg



06.3

PumpFlow Pro

BIO-ENZYME

PUMP & LIFT STATIONS

Liquid biological treatment for sludge, fats, grease and odour in pump and lift stations. Shock dose 0.1–1% of sludge volume; maintenance 1–5 L per million litres of daily flow. Minimum 7 × 10^9 CFU/ml.

Pack sizes · 25 L · 210 L · 1 000 L



06.4

DrainZyme

BIO-ENZYME

DRAINS, TRAPS & PLUMBING

Dual system: extracted enzymes for rapid action, plus microorganisms producing a nine-enzyme range. Home shock 250 ml, then 125 ml weekly; commercial shock up to 500 ml, then 250 ml weekly, dosed after hours.

Pack sizes · 5 L · 25 L · 210 L · 1 000 L



06.5

P-Pods

BIO-ENZYME

BIO-ENZYME URINAL BLOCKS

Fragranced 40 g blocks treating the urinal, its trap and the downstream pipe rather than masking odour — an alternative to PDB chemical blocks. 8 × 10^6 CFU per block.

Pack sizes · 100 g



06.6

BioTrap

BIO-ENZYME

GREASE TRAPS & INTERCEPTORS

Biological trap treatment digesting fats, oils, grease, proteins and starches. Dose 833 ml daily after hours — ready-to-use to 50 L traps, 5× to 2 000 L, 10× above that. 25 L per month per trap.

Pack sizes · 100 ml × 36 (box) · 5 L · 25 L · 210 L · 1 000 L

Originates in

03 · Food Service

KITCHEN → TRAP → DRAIN

The load treated by BioTrap is generated at the wash-up and cook line. Specifying the kitchen and the trap together is one decision, not two.

See p. 12

SYSTEMS VIEW

Biological treatment is not a one-off intervention. A system dosed into balance holds that balance only while the chemistry entering it stays compatible — which is why the cleaning products upstream matter as much as the culture itself.



07

AGRICULTURE & ANIMAL ENVIRONMENTS

Waste is a resource held wrong.

SECTION 07

Three products for animal housing, bedding and agricultural sanitation. Applied on land and in livestock environments, the specification is an odour, hygiene and organic-load decision at the same time.

07.1

BioLitter

BIO-ENZYME

POULTRY LITTER · CONCENTRATED LIQUID

Biological litter treatment converting ammonia to ammonium nitrate, with organic-acid chelation and Competitive Exclusion. Applied after de-caking and before new bedding: 1 L concentrate per 400 m², diluted 1:9 and left 30 minutes before spraying.



Pack sizes · 5 L · 25 L · 210 L · 1 000 L

07.2

HarvestSan Chips

RESPONSIBLE CHEMISTRY

CALCIUM HYPOCHLORITE · CHIP FORM

Water and surface disinfectant for post-harvest washing, potable, effluent and irrigation water, and livestock facilities. Dosed by target available chlorine — 15 g per 100 L at 100 mg/L. Chip form; no form-specific dose difference stated.



Pack sizes · 25 kg

07.3

HarvestSan Granular

RESPONSIBLE CHEMISTRY

CALCIUM HYPOCHLORITE · GRANULAR FORM

Same disinfectant chemistry in granular form, for equipment, utensils, coops, aviaries, carcass sanitation, spin chillers and facility washdown. Always confirm the available-chlorine target against the application before dosing.



Pack sizes · 25 kg



08

INDUSTRIAL & ASSET CARE

The asset itself is the environment.

SECTION 08

Specialist cleaning and maintenance for industrial plant and valuable operating assets — solvent work, scale, fleet and energy infrastructure. EcoSolve and EcoSolve Pro sit beside one another; the difference between them stays unstated until documented.

08.1 EcoSolve

RESPONSIBLE CHEMISTRY

NATURALLY DERIVED ECO-SOLVENT

Fully biodegradable heavy-duty solvent cleaner and degreaser, orange- or pine-derived, formulated without butyl or harsh alkalies. Supplied across an EcoSolve to EcoSolve Pro range.



Pack sizes · 5 L · 25 L · 210 L · 1 000 L

08.2 EcoSolve Pro

RESPONSIBLE CHEMISTRY

PROFESSIONAL STRENGTH

The more concentrated, professional-strength member of the EcoSolve family.



Pack sizes · 5 L · 25 L · 210 L · 1 000 L

08.3 ClearScale

RESPONSIBLE CHEMISTRY

DESCALANT & RUST REMOVER

Biodegradable descalant with a natural oil extract additive, removing lime scale, rust deposits, body fats and embedded dirt. Brightens stainless steel, aluminium and copper.



Pack sizes · 5 L · 25 L · 210 L · 1 000 L

08.4 BioFleet

BIO-ENZYME

WASH-AND-WAX · FLEET

High-foaming water-based vehicle shampoo diluted 1:150 to 1:250 by soil level; bucket, broom or high-pressure application. Compatible with oil/water separation systems; keep clear of solvent cleaners.



Pack sizes · 5 L · 25 L · 210 L · 1 000 L

08.5 Solar Solutions

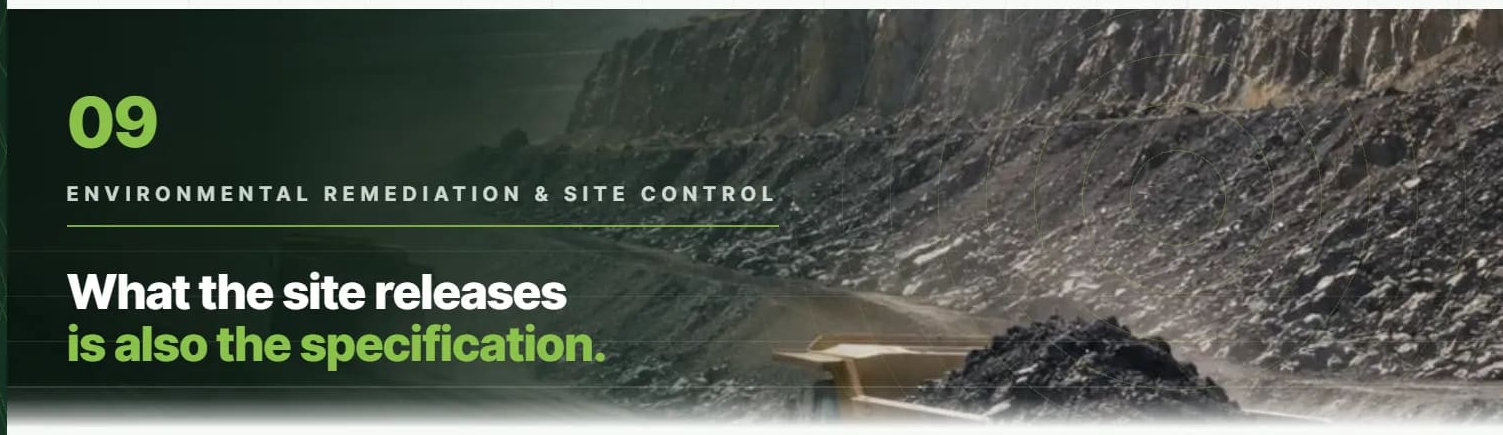
RESPONSIBLE CHEMISTRY

PV PANEL CLEANER · SOLVENT FREE

Distilled-water, non-ionic panel cleaner formulated to hold panel surfaces clear of soiling. Source states 98% gloss retention and no change to panel plastics in laboratory testing.



Pack sizes · 5 L · 25 L · 210 L · 1 000 L



09

ENVIRONMENTAL REMEDIATION & SITE CONTROL

What the site releases is also the specification.

SECTION 09

Dust and particulate management, hydrocarbon remediation and spill response — the three obligations a working site is measured on outside the building.

09.1

DustControl

RESPONSIBLE CHEMISTRY

ORGANIC POLYMER SUPPRESSANT · NEUTRAL PH

Highly concentrated organic-polymer dust suppressant for mine, farm and rural roads, sprayed directly onto treated or untreated soil. Source describes a five-system mode of action and reduced water, road-maintenance and vehicle-wear costs.



Pack sizes · 25 L · 210 L · 1 000 L

09.2

EcoSpill

BIO-ENZYME

HYDROCARBON BIOREMEDIATION · POWDER

Enzyme-producing bacterial powder with a nutrient pack, applied at 1 kg per m^3 of contaminated soil. Activated by water, the microbes degrade oil, diesel, petrol and fuel residues by aerobic co-metabolism.



Pack sizes · Liquid 25 L · 210 L · 1 000 L · Powder 25 kg

09.3

SpillSorb

BIO-ENZYME

ABSORB, CONTAIN & REMEDIATE

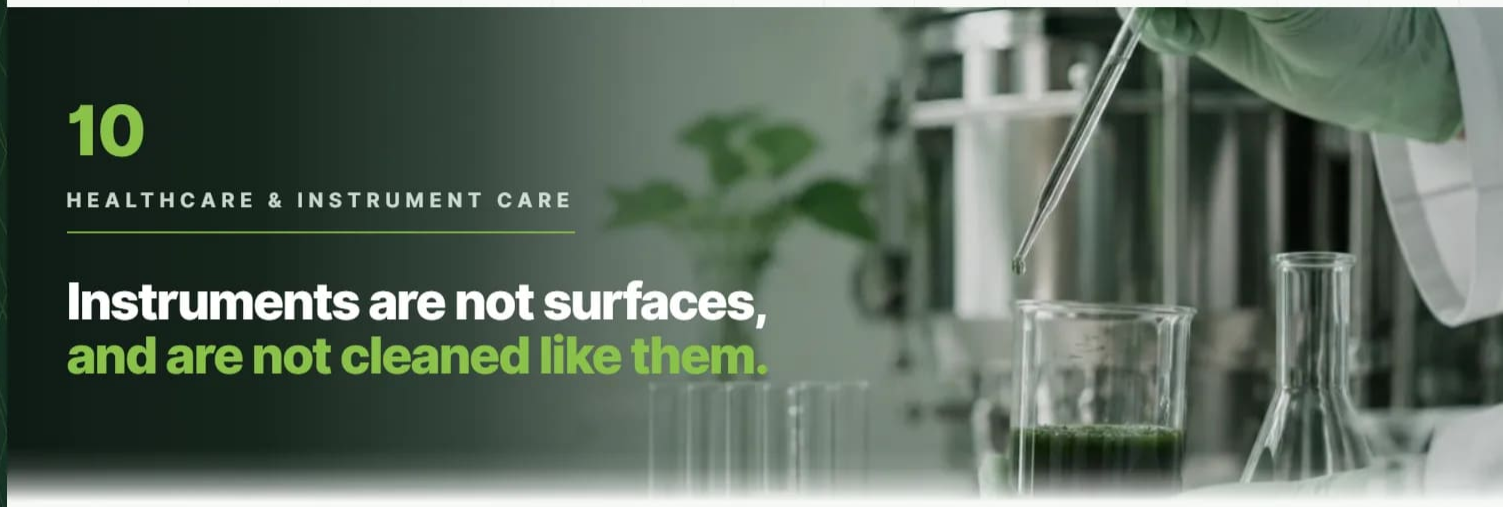
Natural porous absorbent carrying hydrocarbon-remediating microbes, scattered over the spill to absorb and coagulate it into a recoverable mass on water or hard surfaces. Containment is immediate; the biological fraction continues to break down the absorbed hydrocarbon.



Pack sizes · 5 kg · 20 kg

DISTINCTION

EcoSpill and SpillSorb answer the same incident by different means — one treats the hydrocarbon in place, one absorbs and contains it first. Both are biological: remediating microbes carry the breakdown in each case.



10

HEALTHCARE & INSTRUMENT CARE

Instruments are not surfaces, and are not cleaned like them.

SECTION 10

A deliberate specialist family: enzymatic instrument washing, and the restoration of stainless surgical instruments — rust, stain, spot, deposit and scale removal with a passivation step. Specified for theatre, CSSD and sterile-services workflows.

10.1

SurgiZyme

BIO-ENZYME

FIVE-ENZYME INSTRUMENT CLEANER

Concentrated protease, alpha-amylase, pectate lyase, lipase and mannanase cleaner for surgical, medical and dental instruments. Dilute 1–2%, immerse jointed instruments open, soak 15–30 minutes, rinse and sterilise per validated process. Change solution every 24–48 hours.



Pack sizes · 5 L · 25 L · 210 L · 1 000 L

10.2

SurgiRestore

RESPONSIBLE CHEMISTRY

RUST, STAIN & SCALE REMOVAL · PASSIVATOR

Concentrated biodegradable remover for rust, stain, spot, deposit and scale on stainless instruments, case carts, basins and trays, with a passivator system. 10% solution — 500 ml to 5 L hot water at 55–80 °C, soak 15–30 minutes. Not for silver-plated or chrome instruments.



Pack sizes · 5 L · 25 L · 210 L · 1 000 L

RELATED SYSTEM

Surface disinfection in the same facility is specified from 04 · Hygiene, Washroom & Personal Care — PureSurface, p. 16. Instrument care and surface care are separate decisions and separate products.

INDUSTRIES WE SERVE

Same portfolio. Different starting problem.

Sectors enter the portfolio at different points. What follows is the family a conversation usually starts with — rarely where it ends.

Mining & resources

Dust suppression on haul roads, hydrocarbon spill response and absorption, workshop solvent work and ablution sanitation across camp infrastructure.

ENTERS AT 09 · ENVIRONMENTAL REMEDIATION

Energy & solar

Solar and asset care at utility scale, access-road dust control, and site facilities that are usually remote and on-septic.

ENTERS AT 08 · INDUSTRIAL & ASSET CARE

Facilities management

Multi-site cleaning contracts where one supplier has to cover floors, washrooms, kitchens and the drainage beneath them.

ENTERS AT 01 · CLEANING & FACILITY CARE

Hospitality & food service

Wash-up and food-area cleaning, laundry at volume, and grease-trap load that becomes a municipal problem.

ENTERS AT 03 · FOOD SERVICE & KITCHEN HYGIENE

Municipal & water utilities

Sewer line and pump-station maintenance, septic and package plant performance, and reed-bed systems under load.

ENTERS AT 06 · DRAIN, SEWER & WASTEWATER

Agriculture & agri-processing

Poultry litter and animal bedding, agricultural sanitation, and processing facilities with heavy organic discharge.

ENTERS AT 07 · AGRICULTURE & ANIMAL ENVIRONMENTS

Healthcare & education

Enzymatic instrument washing and stainless instrument restoration, alongside high-frequency surface disinfection from 04.

ENTERS AT 10 · HEALTHCARE & INSTRUMENT CARE

Retail & manufacturers

Shelf-ready household and personal-care formats through retail partners, drawn from the hygiene and laundry systems.

ENTERS AT 04 · HYGIENE & WASHROOM

THE GEARTH ECOSYSTEM

Ten families, one continuous chain.

Most suppliers sell into a category. GEARTH's portfolio is built so that a decision in one family does not undo the work of another — the cleaner specified at the sink is compatible with the culture dosed in the tank.

PRINCIPLE 01

Compatible by design

Products that share a drain are specified to work as one system. Chemistry used upstream should not unnecessarily undermine biological treatment operating downstream.

PRINCIPLE 02

Specified to the system

Load, retention and temperature set the programme. The SKU follows the site, not the other way round.

PRINCIPLE 03

One supplier, one chain

Kitchen, laundry, floor, washroom and effluent handled as a single specification rather than four procurement lines.

PRINCIPLE 04

Evidence before claim

Performance statements are published only where test data supports them. Everything unverified stays marked.

The measure of the portfolio is not how many products it holds. It is how few decisions a site has to get right for the whole chain to work.

GEARTH

WHY GEARTH

What a supplier is actually judged on.

Formulated locally

South African formulation and blending, specified for South African conditions — water quality, temperature and infrastructure included.

Technical support, not just supply

Dosing programmes, site assessment and commissioning support where biological systems are involved.

Bulk and retail in one portfolio

Industrial volumes for site contracts alongside shelf-ready formats through retail partners — the same chemistry at both scales.

Documentation as standard

TDS and MSDS documentation for products in supply, with revision control.

41

Products across the portfolio, each with one primary system

10

Solution systems across four operating environments

01

Supplier across the whole chain, from the sink to the discharge point

TECHNICAL DOCUMENTATION

Every product in supply carries its paperwork.

TDS

Technical Data Sheet

Composition class, physical properties, dilution and dosing guidance, application method and storage.

MSDS

Safety Data Sheet

Hazard identification, handling and storage, exposure controls, first aid and disposal considerations.

REPORTS

Test & efficacy data

Independent test results where they exist, with laboratory and standard named.

NOTE Product information in this catalogue is presented for specification purposes. Where a statement is marked for verification it has not yet been substantiated and should not be relied on commercially. Current TDS and MSDS documents take precedence.

START A SPECIFICATION

Tell us the system, not the SKU.

Send the site conditions — what is being cleaned, what it discharges into, and what has failed before. The specification follows from there.

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GEARTH

CATALYSTS FOR CHANGE

Better systems don't begin with stronger chemistry. They begin with smarter chemistry.

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