



PRODUCT CATALOGUE



For a safer, healthier facility,
Choose Enviro-Solutions®

Certified Green Cleaning Chemicals.

www.charlotteproducts.com

ENVIRO
Solutions®
BY

CHARLOTTE™
PRODUCTS LTD.

Why Enviro-Solutions®

Enviro-Solutions® has a long, proven history in providing innovative solutions.

- ✔ For over 25 years, we have continued to evolve as leaders, pioneers and specialists of green cleaning products. Enviro-Solutions® has maintained positioning as a premium brand offering a broad range of green certified products, in-depth knowledge, expertise and support resources to help you develop effective green cleaning programs and other sustainability initiatives.
- ✔ Enviro-Solutions® innovative and customized solutions through our full line of proven, green certified products, provides a safer and healthier work environment for the cleaning staff, a healthier facility for all occupants and visitors, and a more sustainable impact on the environment.
- ✔ We're passionate about our products, simplifying green cleaning, building strong relationships with our Distributors and their end users. Every customer receives personalized attention, training, resources and ongoing support to create an effective cleaning program. With Enviro-Solutions®, you'll get just that.

Value We Bring To Our Partnerships

CHARLOTTE™
PRODUCTS LTD.

INDUSTRY
INSIGHTS

Create synergy combining strategic perspective of trends in our industry and actionable solutions

INNOVATIVE
PRODUCTS &
PROGRAMS

World class, award winning cleaning products and programs supported by proper processes and validation to support all market segments

EXPERIENCE
& KNOWLEDGE
TRANSFER

Leaders in surface cleaning including seasoned professionals with an intimate knowledge of distributor and end user needs and simplified knowledge transfer

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Understanding the importance and benefits of our Enviro-Solutions® 5 Critical Elements Program



Why is the proper floor care program for your facility so critical?

COVID-19 Pandemic Challenge:

Floors pose a serious health risk during this pandemic however, a proper floor care program can substantially reduce the risk by lowering the risk of COVID-19 contamination and facility spread.

- COVID-19 is a droplet-based virus, once airborne, gravity assists by dropping it to the floor surface.
- Bare floors without a polymer coating are very porous in nature with 1000's of cracks and crevices for viruses to become trapped, adapting to the host area and multiplying.
- Floor coating programs create smoother surfaces filling cracks and crevices, therefore, the smoother the surface, the lower the chance of these dangerous viruses multiplying and spreading increasing a serious health risk.
- Clean, smoother surfaces are easier to clean and remove potential harmful matter, lowering the chance of these dangerous viruses multiplying and spreading throughout the facility.

Floors are the largest square foot surface in the facility

Clean, shiny floors sell and impress. For many years, most facilities have believed the main reason for floor care programs is to create a positive first impression. There are many other reasons as to why you should establish a proper floor care program that meets the needs of your specific facility.

- ISSA Labour indicates that over 90% of every budget dollar is spent on labour, less than 10% is the cost of the supplies.
- Floor care programs can cost as much as 67% of your spend as they are generally the most labour intensive and respect the highest level of custodial or janitorial expertise.

67% of a facility floor care spend includes:

- Deep scrubbing procedures
- Deep stripping procedures
- Applying sealer
- Applying floor finish
- Neutral disinfectant cleaners
- Various floor pads
- All types of equipment
- Mop buckets, wringers & mops
- Dust mops

If you have a large square footage of substrates that require floor care programs, focusing here will save your facility a substantial amount of budgetary related costs.

- Improving employee wellness by lowering the risk of a slip and fall. Our Enviro-Solutions® sealers and finishes offer peace of mind to the end user and decision makers as they are 3rd party verified by UL to prove that they have been tested and exceed the standards for coefficient of friction (increasing the foot traction). One slip and fall incident alone can cost thousands of dollars.
- Improving your indoor air quality by lowering dust levels often spread in the air caused by contaminants from flooring substrates. Smoother surfaces are easier to clean and remove contaminants from spreading. Lower dust levels will also contribute to improved health and more efficient HVAC systems.
- Improving your sustainable footprint and global contribution. By establishing the proper floor care program, a facility can reduce the amount of plastics and waste going into landfills and lowers the amount of sewage effluent going into the drains and sewers of major towns and cities across the world.
- Protect facility capital investment of flooring substrates by providing a protective layer that reduces permanent staining and debris compacted in the substrates and causing a need to more frequently replace expensive flooring as it no longer responds to cleaning and finishing processes.

How Charlotte Products™ can help

- We pride ourselves on being deep facility specialists in floor care in any type of facility.
- For over 37 years, we have manufactured polymer floor coatings, sealers along with the appropriate floor cleaners and disinfectants required to “do the job right the first time”.
- We know how to professionally access your facilities. We have a very thorough floor care facility assessment that is easily completed and provides us with a true understanding of where you are today and the areas of efficiencies and savings we can focus on, prioritize, and implement.

We develop a floor care plan using the assessment information which includes your goals and priorities for:

- Improving your sustainability
- Enhancing the skill set of your cleaning staff including how to coach and motivate your team
- Ensure your team is fully trained with documentation
- Ensuring employee wellness
- Lowering the risk of cross contamination and slip and fall.

Enviro-Solutions® 5 Critical Elements program will ensure your best ROI surrounding floor care.

Sealers



ES82
Barricade
Sealer/Finish



- ▶ An acrylic blend of polymers with excellent protective properties
- ▶ Resists the penetration of over 30 common staining and soiling agents
- ▶ Excellent durability, ideal for scrub and recoat
- ▶ UL Approved for slip resistance
- ▶ May be used on VCT, sheet goods, linoleum, any surface where polymer coatings are required



ES89
Blockade All
Acrylic Based
Concrete Sealer



- ▶ Use on concrete, terrazzo and other masonry floors and walls
- ▶ Easy application - fast drying
- ▶ Low odour
- ▶ No yellowing
- ▶ Food grade approved
- ▶ UL Approved for slip resistance



ES99
Impregnator
Sealer

- ▶ Water based design to protect against water and oil based stains on all grouted surfaces
- ▶ May be used on ceramic tile, terrazzo, and concrete floors
- ▶ Exceptional grout sealer, easy application
- ▶ Prevents growth of mold and mildew

ES82-4
ES82-18

4 x 3.78 L
18.9 L

ES89-18

18.9 L

ES99-4

4 x 3.78 L

Floor care has been found to be one of the most labour-intensive tasks.

**Labour elements contribute to over 90%.
Less than 10% is the cost of supplies.** (ISSA)



67%

of a typical cleaning budget reflects Floor Care. This includes chemicals, most types of equipment, wet and dry mops and entrance matting.

Strippers



ES85
Scrub Free
Floor
Stripper



- ▶ Concentrated stripper which effectively and effortlessly penetrates and removes multiple coats of floor finishes without machine scrubbing
- ▶ Low odour
- ▶ 5-10 minute dwell time
- ▶ Removes 3-5 coats per application

ES85-4	4 x 3.78 L
ES85-18	18.9 L



ES90
Clean Cut
Concentrated
Floor Stripper



- ▶ Highly active concentrated stripper which is fast acting, economical at use dilution, less slippery when scrubbing, and easy to use
- ▶ Very low odour
- ▶ Your sustainable choice

ES90-6	6 x 946 mL
ES90-18	18.9 L
Dispenser Ready:	
ES90-4CS2	4 x 1.89 L
ES90-CS	2 x 4.73 L



ES91
Deep Scrub
Floor Finish
Life Extender

- ▶ An interim light scrub/recoat that removes damaged and dull top coats of floor finish
- ▶ Quickly remove surface floor finish coats without deep stripping away the complete floor finish surface
- ▶ Reduces labour costs by 50% over deep stripping processes

ES91-4	4 x 3.78 L
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ES912
Ultimate
Floor
Stripper

- ▶ Innovative labour efficient deep stripping product
- ▶ Removes up to 20+ coats of older floor finish build up with ease
- ▶ Eliminates the need to re-strip flooring areas two or three times
- ▶ Low odour, cool water use

ES912-4	4 x 3.78 L
ES912-18	18.9 L

Maintainers



ES86
Spray Buff
Solution

- ▶ Enhances the gloss and removes soil and scuff marks on high traffic or damaged areas of the floor
- ▶ Actually increases the durability of the floor finish
- ▶ UL Approval pending

ES86-4	4 x 3.78 L
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ES86+
Spray Buff



- ▶ Ready-to-use
- ▶ Enhances gloss/repairs scratches
- ▶ Removes black marks & scuffs
- ▶ Improves foot traction and prolongs life of floor care program
- ▶ Can be spray buffed or burnished

ES86+-6	6 x 946 mL
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ES94+
Burnishing
Cream



- ▶ Ready-to-use
- ▶ Restores floors to a high gloss level
- ▶ Creates a safer walking surface immediately
- ▶ Eliminates stripping and recoating for years
- ▶ Responds quickly reducing labour
- ▶ Safe for use on wood gymnasium floors

ES94+-6	6 x 473 mL
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Floor Care

Neutral Cleaners



OUR BEST!

ES84
Neutral Floor Cleaner with Envirocide



- ▶ Superior detergency lifts the dirt out then leaves the shine
- ▶ Excellent for daily or weekly maintenance
- ▶ No rinsing
- ▶ Contains no alkaline builders to leave a residue
- ▶ Contains Envirocide Odour Eliminator

ES84-4 4 x 3.78 L
ES84-18 18.9 L
Dispenser Ready:
ES84-4CS2 4 x 1.89 L
ES84-CS 2 x 4.73 L



WINTER CLEANER

ES83
Haze Away Neutral Floor Cleaner



- ▶ Removes white film of ice melt chemicals deposited at entrances
- ▶ Demineralizes salt deposits on floors/ carpeting
- ▶ Reduces slip hazards by eliminating the ice melt film which attracts water
- ▶ UL Approved for slip resistance

ES83-4 4 x 3.78 L
Dispenser Ready:
ES83-4CS2 4 x 1.89 L
ES83-CS 2 x 4.73 L



ES95+
Traction/Restoration



- ▶ A must for any public facility
- ▶ Instantly improves the slip resistant properties of any surface it is applied to
- ▶ Enhances gloss and improves foot traction
- ▶ Superior detergency
- ▶ Use on any type of floor
- ▶ Safe for everyday use

ES95+-4 4 x 3.78 L



ES93+
Encapsulation Cleaner



- ▶ Encapsulation & third generation dehydration phase cleaning technology
- ▶ Unique cleaner that encapsulates soil to clean floors & carpeting
- ▶ Leaves no sticky residue
- ▶ Dries quickly
- ▶ Safe for use on raised rubber floors

ES93+-4 4 x 3.78 L



ES72
Hydrogen Peroxide Multi-Purpose Cleaner



- ▶ An effective cleaner for an entire range of custodial cleaning tasks
- ▶ Effective in odour destruction
- ▶ Works in cold water
- ▶ Cleans and deodorizes in one step
- ▶ Free of phosphates and EDTA
- ▶ Low in VOC's

ES72-4 4 x 3.78 L
Dispenser Ready:
ES72-1S 4 x 2 L
ES72-CS 2 x 4.73 L



STATIC
Static Guard Cleaner

- ▶ Specifically designed to be used with Anti-Static Floor Finish
- ▶ Actually increases the floor static dissipative surface after it has dried
- ▶ Easy to use and no rinsing is required

STATIC-4 4 x 3.78 L

Wood Floor Care Program

PROVEN PERFORMANCE FOR HIGH TRAFFIC WOOD FLOORS



ES30
Prep

- ▶ Wood floor deep cleaner for preparing floors for recoating
- ▶ Effective removal of black marks and embedded soils
- ▶ Non-rinsing
- ▶ Prepares floors for applying ES32 coatings

ES30-4

4 x 3.78 L



ES31
Clean



- ▶ Heavy duty no-rinse cleaner
- ▶ Specifically formulated to safely deep clean water-based floor coatings
- ▶ Low foaming
- ▶ Does not leave streaks

ES31-4

4 x 3.78 L



ES32
Wood Finish



- ▶ Water-based high gloss wood coating
- ▶ Faster dry time
- ▶ Safer - VOC compliant
- ▶ Exceptional traction
- ▶ Low odour

ES32-4
ES32-18

4 x 3.78 L
18.9 L



PROVEN

Water-based formula

LABOUR SAVING

Easy application processes

SAFER

Addresses slip and fall risks
Low VOC's, low odour

Wood Floor Maintenance Elements



Pre-Routine Maintenance

- Due to the aggressive activity and foot traction required during sporting and gymnasium events, it is critical to lower the amount of dirt and grit from entering your areas (shoes, dirt, sudden movements and friction can prematurely degrade coatings if not cleaned and be the cause of a major slip and fall incident) This can cost an organization thousands of dollars
- Keeping moisture, dirt & debris outside in the parking lot, sports fields and facility hallways is your easiest, most cost-effective solution
- This will also prolong the life of your current coating program reducing costs
- Brooms, sweepers, wet/dry vacuums along with proper entrance matting system are a major benefit for floors that have outside entrances



Routine Maintenance

- For other areas that have inside adjoining entrances you need to establish the following;
- Quality dust mopping or flat mop program with an established cleaning frequency to match the traffic and type of facility and sports activity
- Recommend these tools be specifically used and dedicated to this area only, keeping soils, contaminants from tracking while improving the cleanliness and extending the life of your coating
- Proper backpack vacuuming and dusting c/w correct floor and high dusting tool (electric or battery)
- Damp mopping with a quality neutral disinfectant cleaner (COVID-19) or our **ES31 CLEAN** on a frequent basis completes this critical maintenance cycle



Interim Maintenance

- Considering maximum labour savings, this Interim element provides facilities with an on-going top performing, safer sports facility
- The demand for athlete foot traction and high shine are a priority
- We recommend our **ES54+ Burnishing Cream** periodically depending on the type and traffic of the facility to instantly repair/eliminating black marks and shoe scuffs
- **ES95+ Traction/Restoration Treatment** is damp mop, walk away or polish to a high gloss labour efficient program (for facilities without a burnisher)
- These elements are fast processes that instantly improve traction to lower the risk of slip and fall
- Following these steps will prolong the life of your floor coating program



Restorative Maintenance

- Removes the topcoat of aged dull and damaged floor coating preparing the surface for a fresh long-lasting topcoat
- Less downtime and sports facility disruption reduces labour by approx. 90% vs deep sanding & relining procedures and lowers risk of slip and fall while improving your sustainable footprint of our environment
- We recommend using our **ES30 Prep** product for specific / superior results
- After this procedure, top coat using our **ES32 Wood Floor Coating Finish**



REFINED CONCRETE & TERRAZZO FLOOR RESTORATION & MAINTENANCE PROGRAM



Validated and simplified restoration procedures and routine maintenance guidelines specific to your facilities needs and wants.

Both terrazzo and concrete flooring substrates make up our industries largest square footage. Therefore, requiring the largest amount of labour and time to maintain.

60% LABOUR SAVINGS over conventional methods!

New Simplified Program Benefits

- ▶ 1 simplified Routine Maintenance program specific to polished concrete and terrazzo floors

Market specific programs

- ▶ 3 simplified Restoration Levels specific to your facilities needs and wants
- ▶ Onsite facility assessment to help determine what level of restoration is needed, if any
- ▶ No specialized equipment needed (ie; floor grinders or slurry vacuums)
- ▶ Training videos on each Restoration Level
- ▶ Simple procedure guidelines
- ▶ Cost calculators to help determine square footage costs
- ▶ Never deep strip, scrub, apply sealer or floor finish again
- ▶ Improve employee wellness
- ▶ Improve your environmental and sustainable footprint



Our **Enviro-Solutions Refined Concrete and Terrazzo Floor Restoration and Maintenance Programs** sets the standard in polished concrete and terrazzo floor care. By combining our unique diamond pad technology and polished concrete and terrazzo specific restoration and maintenance chemicals you can now provide a full restoration and routine maintenance system to your current custodial staff and building service contractors.

RETAIL - COMMERCIAL - TRANSPORTATION - EDUCATION - HEALTH CARE FACILITIES

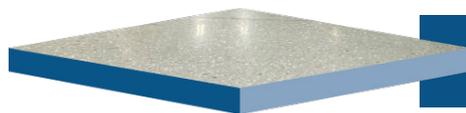
3 LEVELS OF FLOOR RESTORATION



Light Restoration
3 step process
(3 pads & restoration cleaner)

Where and When to use:

- > Polished concrete or terrazzo floors that have lost **SOME** of its original luster and sheen levels
- > Floors showing **SLIGHT** wear and tear with **NO** etching or staining



Moderate Restoration
5 step process
(4 pads, desiccation & restoration cleaner)

Where and When to use:

- > Polished concrete or terrazzo floors that have lost **MOST** of its original luster and sheen levels
- > Floors showing **MODERATE** wear and tear with **SLIGHT** etching or staining
- > **STAIN REMOVAL** on polished concrete or terrazzo floor



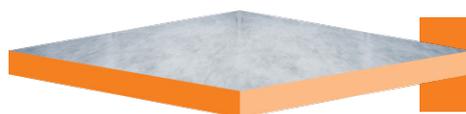
Complete Restoration
6 step process
(5 pads, desiccation & restoration cleaner)

Where and When to use:

- > Polished concrete or terrazzo floors that have lost **ALL** of its original luster and sheen levels
- > Floors showing **EXCESSIVE** wear and tear with **MODERATE/EXCESSIVE** etching and staining
- > Concrete or terrazzo floors that currently utilize topical coatings or floor finish

WAREHOUSING - MANUFACTURING - FOOD PROCESSING FACILITIES

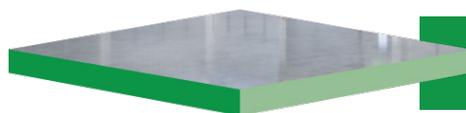
3 LEVELS OF FLOOR RESTORATION



Level 1 - Hone
3 step process (2 pads & desiccation)
Optional Stain Protection

Where and When to use:

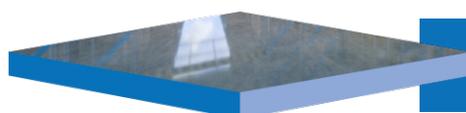
- > On **ANY** concrete or terrazzo floor that needs **DUST PROOFING, ADDED ABRASION RESISTANCE, STAIN RESISTANCE, & EASE OF MAINTENANCE**
- > Images of objects being reflected have a matte appearance



Level 2 - Semi-Polish
4 step process (3 pads & desiccation)
Optional Stain Protection

Where and When to use:

- > On **ANY** concrete or terrazzo floor that needs **DUST PROOFING, ADDED ABRASION RESISTANCE, STAIN RESISTANCE, & EASE OF MAINTENANCE**
- > Images of objects being reflected can be easily identified but do not have a sharp appearance



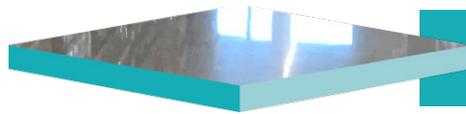
Level 3 - Polish
6 step process (5 pads & desiccation)
Optional Stain Protection

Where and When to use:

- > On **ANY** concrete or terrazzo floor that needs **DUST PROOFING, ADDED ABRASION RESISTANCE, STAIN RESISTANCE, & EASE OF MAINTENANCE**
- > Images of objects being reflected have a more distinct and crisp appearance and can easily be identified

QUICK START ROUTINE MAINTENANCE PROGRAM

ALL FACILITIES



One pad & one cleaning chemical
Optional burnishing to increase sheen
Optional stain protection

Where and When to use:

- > On **ANY** natural, densified, polished concrete or terrazzo floors
- > Highly polished concrete or terrazzo floors that **DO NOT** have a specific maintenance program
- > **ES37 Cleaner Maintainer Polisher** should be used in lieu of citrus cleaners, neutral pH cleaners, high alkaline cleaners
- > **ES-CMP Cleaner Maintainer Pads** should be used in lieu of brushes, red pads, black pads and beige pads

TARGET MARKETS

Grocery Stores
Schools
Office Buildings

Distribution Centers
Back of House in Theme Parks
Retail Centers

Shopping Malls
Hospitals
Manufacturing Facilities

Shipping Warehouses
Car Dealership Showrooms
Sports Arenas & Stadiums

Churches
Jails
Conference Centers

Hotel/Resort Lobbies
Strip/Outlet Malls
Food Processing Facilities

Back of House in Hotels
Airports

QUICK START ROUTINE MAINTENANCE PROGRAM

DOES YOUR CURRENT CONCRETE & TERRAZZO ROUTINE MAINTENANCE PROGRAM:

- > Lower both damaging dust & efflorescence
- > Improve air quality & lower the risk of slip & fall
- > Continuously increase the sheen with regular auto scrubbing maintenance
- > Reduce mop drag that contributes to employee fatigue
- > Protect your investment (electronics, equipment, and merchandise)
- > Never require topical coatings
- > Reduce your overall labor costs and improve sustainability
- > Quickly provide measurable results upon implementation



100% infused diamonds throughout the entire pad, producing the highest square footage coverage in the industry

ES-CMP Cleaner Maintainer Pads Features & Benefits

- ▶ 100% infused diamond abrasive throughout the entire pad which means you can use either side of the pad and continue to use until the pad wears to <1/2" in thickness
- ▶ Highest square footage coverage in the industry, averaging 300,000 square feet. Leading competitor approx. 20,000 sq.ft. per pad
- ▶ Reduces and in some cases eliminates the need to burnish
- ▶ Cleans, removes scuffs, wear patterns and perpetually polishes all in the same motion
- ▶ Compatible with low and high speed machines
- ▶ Available in several diameters as well as 14x20 and 14x28 orbital design



Winner of the 2018 ISSA INNOVATION AWARD in the cleaning agents category

ES37 Cleaner Maintainer Polisher Features & Benefits

- ▶ Specifically designed for concrete and terrazzo floors
- ▶ Contains substrate strengthening properties and sheen building additives
- ▶ Low cost dilution
- ▶ Formulated to lift and suspend contaminants in solution while substrate strengthening properties fill the micropores of the substrate
- ▶ Rinse free
- ▶ Fills micro scratches and blemishes produced from everyday traffic

Contact us for more details of our Enviro-Solutions® Refined Concrete & Terrazzo Floor Maintenance Program!

QUICK START ROUTINE MAINTENANCE PROGRAM

ONE PRODUCT, ONE PAD & YOUR EXISTING EQUIPMENT

Our QUICK-START Program will provide measurable results quickly in your facility and jump start your floor care maintenance into high gear with many positive results.



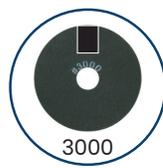
PRODUCT
ES37 Cleaner/Maintainer/Polisher
Sheen Building Additives



METHOD
Auto Scrubber
Use Your Existing Equipment



DILUTION
1:128 (1 oz. per gallon of cool water)
Low Cost Dilution



PAD
3000 grit CMP pad
100% Infused Diamonds
Throughout Entire Pad



ES37 contains properties that will begin and continuously enhance the sheen

It also contains a lubricant that will cool and reduce the surface friction therefore extending the lifespan of the diamond CMP pads and the equipment run time somewhat.

Dispenser Code:
LSP12-ES37

TIP
We recommend installing our "Plug & Play" wall mounted dispenser for worker dilution convenience and best results.



TIP FOR SUCCESS
Requires an Auto scrubber in good operating condition that uses 14, 16, 17, or 20 inch pads.



Refined Concrete & Terrazzo Floor Care Program



ES35
Restoration
Cleaner

- ▶ One time application
- ▶ Heavy duty floor cleaner
- ▶ Powerful unique, non-sticky formulation penetrates soils, oils, greases and carbon build-up, preparing your surface for diamond honing
- ▶ Low odour, economical at 1:128 dilution

ES35-4

4 x 3.78 L



ES36
Nano
Substrate
Densifier

- ▶ One time application nano densifier/sealant
- ▶ Provides stain resistance and the foundation for building higher gloss
- ▶ Extends the life of your flooring substrate
- ▶ Strengthens your flooring substrate
- ▶ Lowers and prevents dusting

ES36-4

4 x 3.78 L



ES37
Cleaner
Maintainer
Polisher

- ▶ Formulated to give maximum cleaning efficiency every day
- ▶ Removes dirt, soils, oils, greases, mold and mildew
- ▶ Improves appearance of worn floors
- ▶ Auto scrubber/damp mop use, no rinsing required
- ▶ Low odour and leaves no sticky residues

ES37-4
ES37-18

4 x 3.78 L
18.9 L

New Simplified Program Benefits

- 3 simplified Restoration Levels specific to your facilities needs and wants
- Onsite facility assessment to help determine what level of restoration is needed, if any
- No specialized equipment needed (ie; floor grinders or slurry vacuums)
- Training videos on each Restoration Level
- Simple procedure guidelines
- Cost calculators to help determine square footage costs



Cleaner Maintainer Pads (CMP)

Enviro-Solutions® Cleaner Maintainer Pads are designed for durability and longevity for a wide variety of applications. They have proprietary diamond material blown throughout the entire pad creating a stronger, wear and tear resistant pad. The pads have diamond powders that are embedded throughout the pad providing extended life due to the ability to use either side creating a stronger, more durable tool at an economical price. Being able to use the pad on either side makes it an ideal choice for burnishing, polishing and maintaining concrete and terrazzo floors.



400
Grit CMP



800
Grit CMP



1500
Grit CMP



3000
Grit CMP

Colour Coded	Grit	Thickness	Diameter	Max Speed	Usage
White	400	1 inch	14" 16" 17" 20" 27"	2000 RPM	wet or dry
Green	800	1 inch	14" 16" 17" 20" 27"	2000 RPM	wet or dry
Red	1500	1 inch	14" 16" 17" 20" 27"	2000 RPM	wet or dry
Black	3000	1 inch	14" 16" 17" 20" 27"	2000 RPM	wet or dry

Foundation Prep Pads (FPP)

Enviro-Solutions® Foundation Prep Pads have been designed for the demand in the concrete and terrazzo polishing market where smaller budgets need to be met but a densified and refined surface is needed for the end result.

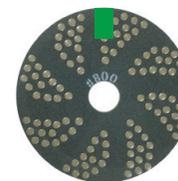
Charlotte Products™ has infused an array of diamond nodules made of a proprietary blend of semi-metal resin bond matrix to the surface of our Enviro-Solutions® Cleaner Maintainer Pads. By doing this, we have created the ultimate refurbishing and polishing pad for concrete and terrazzo substrates. Enviro-Solutions® Foundation Prep Pad is the ideal pad to create a faster cut, faster hone, and faster polish on most concrete and terrazzo floors. It is designed to open, hone/refine and polish; it is no way intended to flatten a concrete or terrazzo surface.



200
Grit FPP



400
Grit FPP



800
Grit FPP



1500
Grit FPP



Great for edges,
stairs, corners,
around washroom
fixtures and
partitions.

200
Grit FPP
ES-FPP-4.5 x9.5-200

Colour Coded	Grit	Thickness	Diameter	Max Speed	Usage
Yellow	200	1 inch	14" 16" 17" 20" 27"	1500 RPM	wet or dry
White	400	1 inch	14" 16" 17" 20" 27"	1500 RPM	wet or dry
Green	800	1 inch	14" 16" 17" 20" 27"	1500 RPM	wet or dry
Red	1500	1 inch	14" 16" 17" 20" 27"	1500 RPM	wet or dry

Carpet Care



ES87 Carpet Extraction Cleaner with Envirocide



- ▶ Unique blend of cleaning agents to break down embedded soils and emulsify them into solution
- ▶ Fortified with Envirocide Odour Eliminator to keep carpets fresh
- ▶ No sticky residue left behind
- ▶ Can also be used as a bonnet cleaner

ES87-4

4 x 3.78 L



ES88 Stain & Spot Remover



- ▶ Ready-to-use stain remover and pre-spray
- ▶ Penetrates and dissolves most stains and soils on carpets and soiled laundry
- ▶ Great for removing inorganic stains such as oils, inks, and general soils
- ▶ Includes Envirocide Odour Eliminator

ES88-6

6 x 946 mL



ES92+ H₂O₂ Carpet Stain & Spot Remover



- ▶ Heavy duty, ready-to-use product
- ▶ Great for removing the most difficult stains
- ▶ Great for removing organic stains such as pet spots, coffee, tea, red wine, mustard and ketchup
- ▶ CRI Seal of Approval

ES92+-6

6 x 946 mL



ES93+ Encapsulation Cleaner



- ▶ Encapsulation & third generation dehydration phase cleaning technology
- ▶ Unique cleaner that encapsulates soil to clean floors & carpeting
- ▶ Leaves no sticky residue
- ▶ Dries quickly
- ▶ Safe for use on raised rubber floors

ES93+-4

4 x 3.78 L



ES71+ Super H₂O₂ Concentrated Cleaner/ Degreaser



- ▶ Enhanced formulation with improved cleaning efficiency and stability
- ▶ Multi-purpose cleaner, degreaser and odour eliminator
- ▶ Food Grade Approved

ES71+-4

4 x 3.78 L

Dispenser Ready:

ES71+-4CS2 4 x 1.89 L

ES71+-CS 2 x 4.73 L



ES72 Hydrogen Peroxide Multi-Purpose/ Carpet Extraction Cleaner



- ▶ An effective cleaner for an entire range of custodial cleaning tasks
- ▶ Effective in odour destruction
- ▶ Works in cold water
- ▶ Cleans and deodorizes in one step
- ▶ Free of phosphates and EDTA
- ▶ Low in VOC's

ES72-4

4 x 3.78 L

Dispenser Ready:

ES72-1S 4 x 2 L

ES72-CS 2 x 4.73 L

General Purpose & Specialty Cleaners



ES70
General Purpose
Cleaner



- ▶ Formulated to remove tough soils and tracked-in grime
- ▶ Excellent for floors, walls, woodwork and plastic furniture
- ▶ Multiple dilutions for any cleaning task

ES70-4	4 x 3.78 L
ES70-18	18.9 L
Dispenser Ready:	
ES70-4CS2	4 x 1.89 L
ES70-CS	2 x 4.73 L



ES71+
Super H₂O₂
Concentrated
Cleaner/Degreaser



- ▶ Enhanced formulation with improved cleaning efficiency and stability
- ▶ Multi-purpose cleaner, degreaser and odour eliminator
- ▶ Food Grade Approved

ES71+-4	4 x 3.78 L
Dispenser Ready:	
ES71+-4CS2	4 x 1.89 L
ES71+-CS	2 x 4.73 L



ES72
Hydrogen Peroxide
Multi-Purpose
Cleaner



- ▶ An effective cleaner for an entire range of custodial cleaning tasks
- ▶ Effective in odour destruction
- ▶ Works in cold water
- ▶ Cleans and deodorizes in one step
- ▶ Free of phosphates and EDTA
- ▶ Low in VOC's

ES72-4	4 x 3.78 L
Dispenser Ready:	
ES72-1S	4 x 2 L
ES72-CS	2 x 4.73 L



ES73
Paint Stripper &
Graffiti Remover

- ▶ Ready-to-use
- ▶ Formulated to help remove stubborn marks from various surfaces
- ▶ Works fast on wide range of problems
- ▶ Works with either cold or hot water
- ▶ Superior cling to vertical surfaces
- ▶ Low odour – non-flammable
- ▶ Safer for workers and the environment

ES73-6	6 x 946 mL
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ES74
Spray & Wipe
Cleaner



- ▶ Ready to use - spray on - wipe off
- ▶ Removes oil, food stains, fingerprints, etc.
- ▶ Leaves no residue
- ▶ Excellent cleaner for black heel marks, grease, carbon exhaust, general stains, white wall tires, carpet and laundry spotter

ES74-6	6 x 946 mL
ES74-4	4 x 3.78 L
Dispenser Ready:	
ES74-4CS2	4 x 1.89 L
ES74-CS	2 x 4.73 L



ES75
Heavy Duty
Degreaser/Cleaner



- ▶ Concentrated cleaner/degreaser for heavy duty cleaning
- ▶ Safe on most surfaces, moderate PH
- ▶ Easy rinsing
- ▶ Food Grade Approved
- ▶ Excellent meat room degreaser
- ▶ Low odour
- ▶ Exceptional performance

ES75-4	4 x 3.78 L
ES75-18	18.9 L
Dispenser Ready:	
ES75-4CS2	4 x 1.89 L
ES75-CS	2 x 4.73 L

General Purpose & Specialty Cleaners



ES76 Microfiber Laundry



- ▶ Specially designed for washing/restoring microfiber cloths and mops
- ▶ Use to wash manually or with household machines
- ▶ Extends life of washable fabrics, cloths and microfiber material

ES76-4	4 x 3 L
ES76-18	18.9 L



ES77-NFP Glass Cleaner



- ▶ An excellent multi surface cleaner
- ▶ Cleans windows, mirrors, chrome, countertops, plastic surfaces, etc.
- ▶ No film and no streaking
- ▶ Fast drying

Ready to Use:	
ES77NFP-6	6 x 946 mL
ES77NFP-4	4 x 3.78 L
Dispenser Ready:	
ES77NFP-4CS2	4 x 1.89 L
ES77NFP-CS	2 x 4.73 L



ES78+ Stainless Steel Cleaner & Furniture Cleaner/Polish

- ▶ Ready to use, low odour
- ▶ Water and silicone based metal cleaner as well as a furniture cleaner/polish
- ▶ Fast drying
- ▶ No film and no streaking
- ▶ Does not leave oil residue on surface
- ▶ Great alternative to petroleum based polishes

ES78+-6	6 x 946 mL
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ES79+ Dishwashing Liquid



- ▶ Cuts grease and grime
- ▶ Gentle on hands
- ▶ For dishes, glasses, utensils, pots & pans
- ▶ Easy rinsing for streak-free results
- ▶ High foaming with a pleasant lime fragrance

ES79+-12	12 x 740 mL
ES79+-CS	2 x 4.73 L



ES200 Bio-Active Treatment for Drains and Drain Lines



- ▶ Ready-to-use
- ▶ Formulated for the treatment of drains and drain lines in restaurants and commercial establishments
- ▶ Prevents accumulation and clogging
- ▶ Contains combined aerobic and anaerobic microorganisms capable of biodegrading oil, grease and a variety of organic materials

ES200-6	6 x 946 mL
ES200-4	4 x 3.78 L



General Purpose & Specialty Cleaners



ES202
Bio-Active
All Purpose
Digestant

- ▶ For food plant and other industrial and commercial use
- ▶ Prevents accumulation and clogging
- ▶ Formulated to eliminate malodours in washrooms



ES680
Bio-Active
Super Floor
Degreaser



- ▶ Lowers risk of slip and fall
- ▶ Digests oils, grease and other dirt on the floors in kitchens/cooking areas, cafeterias, etc.
- ▶ Leaves an invisible film which continues to digest the oils and grease even after regular cleaning
- ▶ Leaves floors cleaner, less slippery and with less malodours



10016-10017
Vehicle
Cleaner Liquid
Concentrate

- ▶ Designed to remove grime and dirt, road film, bug residue and carbon exhaust deposits from painted vehicle surfaces
- ▶ Can be used as a siding cleaner
- ▶ Use in pressure washers, automatic car washers or manually
- ▶ Leaves shiny, beaded finish (not a wax)

ES202-6 6 x 946 mL
ES202-4 4 x 3.78 L

Dispenser Ready:
ES680-1S 4 x 2 L
ES680-CS 2 x 4.73 L

10016 18.9 L
10017 208 L



Washroom Care and Odour Control

Hand Hygiene Program

Program Benefits

- ◆ In house production, guaranteed ample supply
- ◆ Touchless dispensers complete with batteries, for safer automated operation with reliable sensing
- ◆ Promoting safe, healthy hands to employees and occupants to prevent cross-contamination and lowering the risk of infection
- ◆ Improving sustainability with approx. 25% more product yield, reducing plastic in the landfill
- ◆ Seamless conversion of dispensers in facilities
- ◆ Labour savings, fewer cartridge changes
- ◆ 6 X 1250 mL cartridges per case reduces freight cost



Hand Soaps

ES41
ALLORGANIC®
FOAMING
HAND SOAP

Proven safer for human health and the environment

- ▶ USDA Certified Organic
- ▶ USDA Certified Bio-Based product
- ▶ Fragrance-free/dye-free
- ▶ Luxurious feel, rich and creamy
- ▶ Easy rinsing foaming hand soap
- ▶ Premium formula
- ▶ Very effective cleaner
- ▶ Blended with rich emollients to replenish skin oils
- ▶ No phosphates/GMO's

ES44
UNSCENTED
FOAMING
HAND SOAP

- ▶ Luxurious feel
- ▶ Fragrance-free
- ▶ Rich and creamy
- ▶ Easy rinsing foaming hand soap
- ▶ Premium formula
- ▶ Very effective cleaner
- ▶ Luxurious moisturizing lather
- ▶ Blended with rich emollients to replenish skin oils
- ▶ Readily-Biodegradable
- ▶ No Phosphates

ES48
SCENTED
FOAMING
HAND SOAP

- ▶ Luxurious feel
- ▶ Fresh pear scent
- ▶ Rich and creamy
- ▶ Easy rinsing foaming hand soap
- ▶ Premium formula
- ▶ Very effective cleaner
- ▶ Luxurious moisturizing lather
- ▶ Blended with rich emollients to replenish skin oils
- ▶ Readily-Biodegradable
- ▶ No Phosphates

Touchless Dispenser Product
ES41-6 **6 x 1250 mL**

Touchless Dispenser Product
ES44-6 **6 x 1250 mL**

Touchless Dispenser Product
ES48ND-6 **6 x 1250 mL**

Hand Sanitizers



ES42
FOAMING
HAND
SANITIZER

- ▶ Antiseptic skin cleanser
- ▶ NPN 80115441
- ▶ Premium formula
- ▶ Very effective cleaner
- ▶ Hand Sanitizer to help reduce bacteria that potentially can cause disease
- ▶ For use when soap and water are not available

Touchless Dispenser Product

ES42-6

6 x 1250 mL



ES43
GEL HAND
SANITIZER

- ▶ Antiseptic skin cleanser
- ▶ NPN 80112955
- ▶ Premium formula
- ▶ Very effective cleaner
- ▶ Hand Sanitizer to help reduce bacteria that potentially can cause disease
- ▶ For use when soap and water are not available

Touchless Dispenser Product

ES43-6

6 x 1250 mL

Hand Hygiene Touchless Dispenser



ES-HHD-BLK

- ▶ Touch Free Dispenser for safer operation with automated and reliable sensing
- ▶ ADA Compliant Dispensers
- ▶ Compact foot print, appealing slim design promoting safe, healthy hands
- ▶ Fits anywhere, saves wall space
- ▶ Proprietary dispenser to prevent bottle stuffing
- ▶ Easy bottle loading
- ▶ LED indicator light, signals operation and low battery
- ▶ Low energy consumption means less battery exchanges and more labour savings
- ▶ Foaming product yield is 1560 uses per 1250 mL bottle and Gel product yield is 1250 uses per 1250 mL bottle
- ▶ 80,000 activations per battery life
- ▶ 50 bottles dispensed between battery changes
- ▶ Visual site window reduces labour costs avoiding time to open and check product levels
- ▶ Appealing / Slim design / Promoting Safe, Healthy Hands
- ▶ Accessories available to order: Floor stand & drip tray

Extra Options



**Floor Stand
Counter Top Disp
Drip Tray**



**KX-FLOORSTAND
KX-CT-DISPLAY
KX-DRIPTRAY-BLK**

Hand Hygiene **Manual** Dispenser Program



ES41 ALLORGANIC® FOAMING HAND SOAP

Proven safer for human health
and the environment



- ▶ USDA Certified Organic
- ▶ USDA Certified Bio-Based product
- ▶ Fragrance-free/dye-free
- ▶ Luxurious feel, rich and creamy
- ▶ Easy rinsing foaming hand soap
- ▶ Premium formula
- ▶ Very effective cleaner
- ▶ Blended with rich emollients to replenish skin oils
- ▶ No phosphates/GMO's

Manual Dispenser Product

ES41M-3

3 x 1250 mL



ES42 FOAMING HAND SANITIZER

- ▶ Antiseptic skin cleanser
- ▶ NPN 80115441
- ▶ Premium formula
- ▶ Very effective cleaner
- ▶ Hand Sanitizer to help reduce bacteria that potentially can cause disease
- ▶ For use when soap and water are not available

Manual Dispenser Product

ES42M-3

3 x 1250 mL



MANUAL DISPENSER

- ▶ Manual push operation
- ▶ Proprietary dispensing system
- ▶ ADA compliant
- ▶ Robust design for long term use
- ▶ Lockable dispenser
- ▶ For use with ES41M-3 ALLORGANIC® Foaming Hand Soap & ES42M-3 Foaming Alcohol Hand Sanitizer proprietary cartridges
- ▶ Large visual sight window allows custodians to quickly see the product level, saving labour

Manual Dispenser Product

ES-MHHD-BLK

Sink Side Hand Hygiene Products

Convenient sized bottles ready to place in smaller areas throughout your facility where dispensing systems are not required

The same USDA Certified Organic Foaming Hand Soap & Foaming Hand Sanitizer offered in our proprietary dispensing system now available in our new sink side bottle



ES41 ALLORGANIC® FOAMING HAND SOAP

Proven safer for human health and the environment

- ▶ USDA Certified Organic
- ▶ USDA Certified Bio-Based product
- ▶ Fragrance-free/dye-free
- ▶ Luxurious feel, rich and creamy
- ▶ Easy rinsing foaming hand soap
- ▶ Premium formula
- ▶ Very effective cleaner
- ▶ Blended with rich emollients to replenish skin oils
- ▶ No phosphates/GMO's



ES41-12

12 x 575 mL



ES42 FOAMING HAND SANITIZER

- ▶ Antiseptic skin cleanser
- ▶ NPN 80115441
- ▶ Premium formula
- ▶ Very effective cleaner
- ▶ For use when soap and water are not available
- ▶ Hand Sanitizer to help reduce bacteria that potentially can cause disease

ES42-12

12 x 575 mL

Washroom Care and Odour Control

Hand Soaps



ES48
Luxury Foaming
Hand Soap for
Manual Dispenser
System



- ▶ Luxurious moisturizing lather that will leave your skin feeling soft and healthy
- ▶ Premium blend with rich emollients to replenish skin oils
- ▶ No phosphates
- ▶ Uses recyclable packaging
- ▶ Readily Biodegradable

ES48-6

6 x 33 fl oz



ES49
Foaming
Hand Soap



- ▶ Rich and creamy, high quality, multi-purpose soap
- ▶ Added conditioners to help prevent skin dryness
- ▶ Light in fragrance - Kiwi
- ▶ Over 5400 applications per gallon when used in an approved dispenser
- ▶ Our most cost effective formula

ES49-4

4 x 3.78 L



ES50
Deodorant
Lotion Soap



- ▶ Excellent wherever a premium quality, hand, face or entire body soap is required
- ▶ Can be used on hair/body
- ▶ Pleasant fragrance
- ▶ Over 4,300 applications per gallon when used in an approved dispenser

ES50-4

4 x 3.78 L

Manual Dispensers



- ▶ Easy to use lockable hand care system
- ▶ Sealed hand care cartridge to avoid contamination
- ▶ Cost-in-use benefits with proprietary controlled dispensing system
- ▶ Locking mechanism prevents tampering and vandalism
- ▶ Dispenser fill view window

9325-ES (White)

9326-ES (Black)



DID YOU WASH YOUR HANDS?

THE AVERAGE PERSON WILL BE OFF SICK
9 OR MORE DAYS IN A CALENDAR YEAR



Implementing a hand hygiene program has been shown to reduce absenteeism by more than 20%. That's roughly 2 less sick days per person!



Cleaners



ES51
Washroom
Cleaner



- ▶ Ready-to-use
- ▶ An effective formulation to clean and Envirocide urinals, toilets, sinks and other washroom surfaces
- ▶ Great for a daily washroom maintenance program
- ▶ Envirocide eliminates foul odors

ES51-6 6 x 946 mL
Dispenser Ready:
ES51-1S 4 x 2 L
ES51-CS 2 x 4.73 L



ES52
Grout Restore
Cleaner

- ▶ Ready-to-use
- ▶ Safe, powerful sodium-hypochlorite based cleaner
- ▶ Restores grout
- ▶ Easily removes mold, mildew, calcium, and body cleansing oils

ES52-6 6 x 946 mL



ES53
Cream
Cleanser



- ▶ Ready-to-use
- ▶ Cleans without harsh abrasives
- ▶ Smooth, clinging cleaner that removes soap scum, body fats, grease and hard water salts from tubs, tiles, and toilet bowls
- ▶ With Envirocide Odor Eliminator
- ▶ Pine fragrance

ES53-6 6 x 946 mL



ES54+
Grout Cleaner



- ▶ Ready-to-use
- ▶ A grout cleaner designed for kitchens, bathrooms, floor and wall tile grouting
- ▶ Designed for spray on and wipe off use
- ▶ Use with brush for grout restoration
- ▶ Food Grade Approved

ES54+-6 6 x 946 mL



ES56
Like Acid
Washroom
Cleaner



- ▶ Safe, powerful cleaner that cuts through scale, rust and stains without the use of hydrochloric, phosphoric, citric, glycolic, sulfamic or oxalic acids
- ▶ Helps leave washroom fresh and free of odours
- ▶ No harmful fumes or vapors

ES56-6 6 x 946 mL
ES56-4 4 x 3.78 L
Dispenser Ready:
ES56-4CS2 4 x 1.89 L
ES56-CS 2 x 4.73 L



ES57
Lime Remover
and Descaler



- ▶ For alkaline-resistant soils and deposits
- ▶ Non-corrosive lime, calcium and rust remover and descaler
- ▶ Safe for use on a variety of surfaces
- ▶ Low odour, leaves no residue

ES57-6 6 x 946 mL
ES57-4 4 x 3.78 L

Washroom Care and Odour Control

Cleaners & Odour Control



ES58
Envirocide
Odour
Eliminator

- ▶ Ready-to-use
- ▶ Features Envirocide, a unique blend of essential oils selected to absorb, combine and neutralize foul odours
- ▶ Renders the worst odors, such as smoke, urine, garbage, feces and mildew undetectable

ES58-6 6 x 946 mL
ES58-4 4 x 3.78 L
Dispenser Ready:
ES58-4CS2 4 x 1.89 L
ES58-CS 2 x 4.73 L



ES100
Bio-Active Odour
Eliminator for
Washrooms



- ▶ Ready-to-use or dilute 1 part of product for 3 parts cool water
- ▶ Specifically formulated to eliminate malodors in washrooms
- ▶ Eliminates bad odour of urine and excrements at the source
- ▶ Used on a regular basis, eliminates bacterial growth and return of malodors

ES100-6 6 x 946 mL



ES120
Bio-Active Air
Freshener



- ▶ Ready-to-use
- ▶ A highly effective product to be used throughout the facility for the control of a variety of malodors, leaving a fresh, clean fragrance
- ▶ Has a non re-soiling surfactant so it can be used on both hard and soft surfaces

ES120-6 6 x 946 mL



ES230
Bio-Cleaning
& Deodorizing
Urinal Blocks



- ▶ Unique formula that cleans continuously, de-scales and eliminates odours
- ▶ Gradually disperses bacteria culture
- ▶ Effective for approximately 2000 flushes

ES230-12 blocks with screens
ES230-22 blocks without screens



ES920
Bio-Active
Washroom
Cleaner



- ▶ Cleans deeply and quickly
- ▶ Eliminates soils and odours from urine and fecal matter
- ▶ Effective all purpose bathroom cleaner for all surfaces
- ▶ Specialized formulation allowing microbes to degrade trapped and absorbed organic material

Dispenser Ready:
ES920-1S 4 X 2 L
ES920-CS 2 X 4.73 L



ES100 Bio-Active Odour Eliminator for Washrooms



- ▶ Ready-to-use or dilute 1 part of product for 3 parts cool water
- ▶ Specifically formulated to eliminate malodours in washrooms
- ▶ Eliminates bad odours of urine and excrements at the source
- ▶ Used on a regular basis, eliminates bacterial growth and return of malodours

ES100-6

6 x 946 mL



ES120 Bio-Active Air Freshener



- ▶ Ready-to-use
- ▶ A highly effective product to be used throughout the facility for the control of a variety of malodours, leaving a fresh, clean fragrance
- ▶ Has a non re-soiling surfactant so it can be used on both hard and soft surfaces

ES120-6

6 x 946 mL



ES200 Bio-Active Treatment for Drains and Drain Lines



- ▶ Grease trap cleaner and maintainer
- ▶ Formulated for the treatment of drains and drain lines in restaurants and commercial establishments
- ▶ Prevents accumulation and clogging
- ▶ Contains combined aerobic and anaerobic microorganisms capable of biodegrading oil, grease and a variety of organic materials

ES200-6
ES200-4

6 x 946 mL
4 x 3.78 L

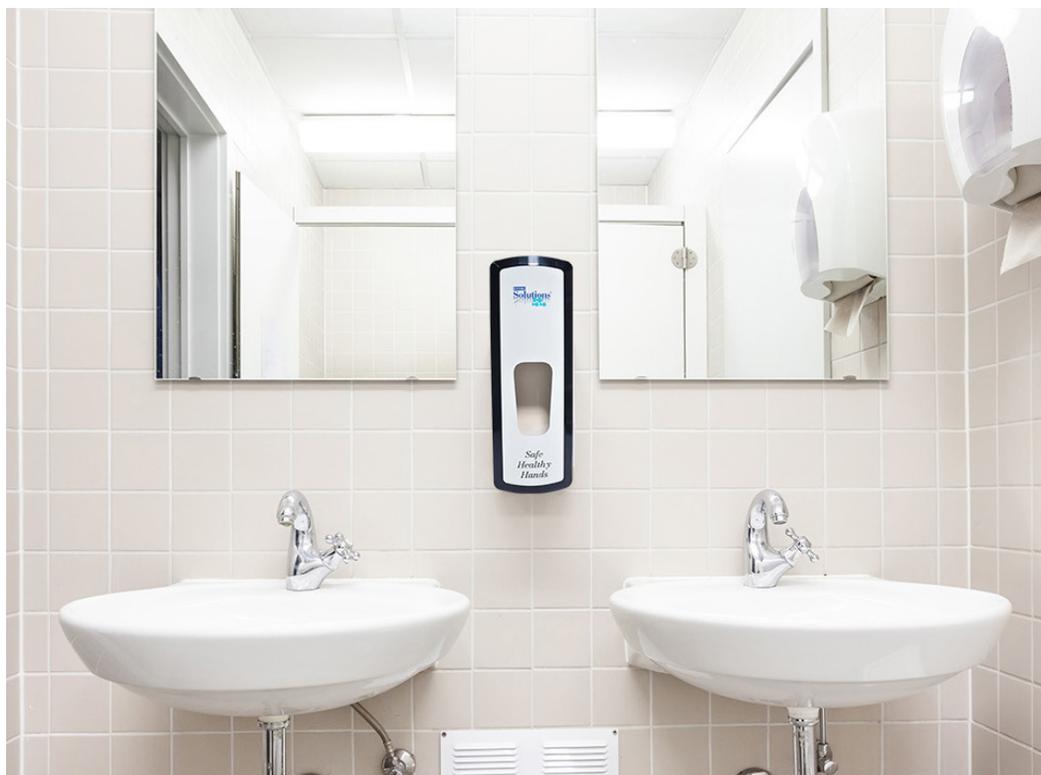


ES202 Bio-Active All Purpose Digestant

- ▶ For food plant and other industrial and commercial use
- ▶ Prevents accumulation and clogging
- ▶ Formulated to eliminate malodours in washrooms

ES202-6
ES202-4

6 x 946 mL
4 x 3.78 L



Dispenser Concentrates



ES680
Bio-Active
Super Floor
Degreaser



- ▶ Digests oils, grease and other dirt on the floors in kitchens/cooking areas, cafeterias, etc.
- ▶ Leaves an invisible film which continues to digest the oils and grease even after regular cleaning
- ▶ Leaves floors cleaner, less slippery and with less malodours



ES920
Bio-Active
Washroom
Cleaner



- ▶ Cleans deeply and quickly
- ▶ Eliminates soils and odours from urine and fecal matter
- ▶ Effective all purpose bathroom cleaner for all surfaces
- ▶ Specialized formulation allowing microbes to degrade trapped and absorbed organic material



ES230
Bio-Cleaning
& Deodorizing
Urinal Blocks



- ▶ Unique formula that cleans, de-scales and eliminates odours
- ▶ Gradually disperses bacteria culture
- ▶ Effective for approximately 2000 flushes

Dispenser Ready:

ES680-1S 4 x 2 L
ES680-CS 2 x 4.73 L

Dispenser Ready:

ES920-1S 4 x 2 L
ES920-CS 2 x 4.73 L

ES230-12 blocks with screens
ES230-22 blocks without screens

Bio-Enzymatic Program

Residual Deep Cleaning Benefits

BIO Cleaners enhanced formulations and streamlined product program simplifies cleaning while offering the innovative technology with great results.

BIO Cleaners are formulated specifically to dispose of soils safely, economically and rapidly. They contain the necessary quality and quantity of specific non-pathogenic enzyme systems, both aerobic and anaerobic bacteria, and microbial nutrients. BIO Cleaners work quickly and efficiently to digest chemical and organic waste with no odour or noxious gas.

Features & Benefits

- ▶ Easy to use program that is task and area specific
- ▶ Minor formulation changes to support increased stability and efficacy
- ▶ Consistent packaging with all Enviro-Solutions® programs
- ▶ Highly concentrated supporting a lower after dilution cost
- ▶ Competitive pricing
- ▶ UL Ecologo Certified Products
- ▶ High level innovation and technology
- ▶ Sales support with product knowledge, product selection and training



5 Security Elements of Disinfection

Validation & Measurement

Now more than ever after recently facing a worldwide pandemic, we need to continue to educate facilities on how to lower the risk of an outbreak and create cleaner, safer spaces. Employee & facility wellness along with public safety is a major focus and must be prioritized.

Facilities need to select the proper disinfectants that meet the current needs of both infection control and environmental cleaning teams. The use of these products will not decrease when the virus threat is lowered, in fact we predict that the need to properly clean and disinfect will increase dramatically in years to come.

The chemistry of disinfectants is more aggressive than typical cleaners. Does this mean they are more dangerous? Not really but it does mean that we should respect and follow the 5 critical steps of disinfectant security.

Disinfectant SECURITY ELEMENTS

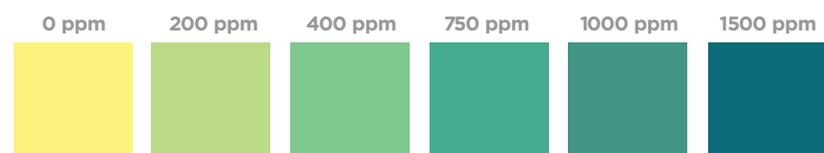
 <p>01</p>	 <p>02</p>	 <p>03</p>	 <p>04</p>	 <p>05</p>
<p>Always use a registered product. Read and understand the label.</p>	<p>Dilute properly regardless of the dilution method. Verify PPM.</p>	<p>Always pre-clean surfaces.</p>	<p>Dwell Contact Time.</p>	<p>Potable water rinse on food contact surfaces and pre-school toys.</p>

Testing PPM Solutions

We recommend using PPM test kits to verify your current ppm reading, which are fairly accurate and fast. Be sure to thoroughly follow the instructions on the test kit.

We recommend testing your disinfectant and sanitizer solutions throughout the cleaning shifts. If your PPM reading falls below the facility requirement, empty your bucket and refreshen your cleaning solution. Be sure to always do a PPM test before proceeding.

Choosing the correct disinfectant and sanitizing solution is paramount, exchanging and refreshenng the disinfectant solution throughout the day is critical. At Charlotte Products™, we pride ourselves on the ability to educate your facility on making the professionals choice for lowering the risk of an outbreak.



High Level Quat Test Strips

1. Remove single test strip from sealed container.
2. Dip end with test area into diluted sanitizing solution and remove immediately.
3. Immediately compare test pad to colour scale. Minimum 200ppm required.
4. Reading time (max. 5 seconds) is very important for accuracy of results.



Code: QAC-1500-1V-50

Disinfectants/Sanitizers

Regular Concentrate Disinfectants/Sanitizers

All Products DIN Registered



EXCEPTIONAL DETERGENCY

ES64H Neutral Disinfectant Cleaner

DIN# 02503212

- ▶ A no-rinse, no NPE, non alkaline, neutral pH cleaner
- ▶ Disinfects, cleans and deodorizes
- ▶ Meets Health Canada emerging viral pathogen claims for SARS-COV-2



NO FRAGRANCE OR DYE

ES65H Hydrogen Peroxide Disinfectant Cleaner

DIN# 02451115



- ▶ One product program with multiple dilutions for cleaning multiple surfaces
- ▶ Kills 99.99% of bacteria, fungi and viruses
- ▶ Registered Food Grade Sanitizer
- ▶ 10 minute, registered dwell time



KILLS NOROVIRUS IN JUST 5 MINS!

ES364 Neutral Disinfectant

DIN# 02470802

- ▶ One-step, 5 minute contact-time disinfectant
- ▶ Provides superior cost-performance benefits, delivered by cost-effective quat concentrates
- ▶ Contains a neutral pH that is non-staining, non-corrosive to equipment, easily handled and does not dull floor finishes

ES64H-4

4 x 3.78 L

ES65H-4

4 x 3.78 L

ES364-4

4 x 3.78 L

The Importance of Measuring Quat Disinfectant PPM's.

PPM (parts per million)

Both the Environmental Protection Agency Registration Number (EPA#) and Health Canada (DIN#) Drug Identification Number will officially approve and register disinfectants that are effective with killing the stated pathogens or disease-causing micro-organisms. These pathogens (deemed harmful) will be listed on the label and on a microbial efficacy data sheet. The required PPM (parts per million) for specific disinfectants is detailed on the product label and is a measurement of the mass of the active ingredient chemical per unit volume of water. The PPM must be verified after dilution and prior to use to ensure it is accurate.

Quats typical range from **300 – 3500 ppm**

Sanitizers typically range from **200 – 600 ppm**



Disinfectants/Sanitizers

Dispenser Ready Concentrates



ES24 Food Service Disinfectant Cleaner

DIN# 02255650

- ▶ Designed to provide effective cleaning, sanitization and disinfection specifically for food processing plants, food service establishments and other institutions
- ▶ Dilution is 1:25

ES24-CS

2 x 4.73 L



ES25 Disinfectant Cleaner & Odour Eliminator

DIN# 02255642

- ▶ Formulated to disinfect hard surfaces, such as walls, floors, sink tops, toilet bowls, tables, chairs, telephones, and bed frames
- ▶ Cleans, disinfects, and deodorizes all in one step
- ▶ Heavy duty muscle degreaser

ES25-4CS2
ES25-CS

4 x 1.89 L
2 x 4.73 L



ES64H Neutral Disinfectant Cleaner

DIN# 02503212

- ▶ A no-rinse, no NPE, non alkaline, neutral pH cleaner
- ▶ Disinfects, cleans and deodorizes

ES64H-4CS2
ES64H-1S
ES64H-CS

4 x 1.89 L
4 x 2 L
2 x 4.73 L



ES364 Neutral Disinfectant

DIN# 02470802

- ▶ One-step, 5 minute contact-time disinfectant
- ▶ Provides superior cost-performance benefits, delivered by cost-effective quat concentrates
- ▶ Contains a neutral pH that is non-staining, non-corrosive to equipment, easily handled and does not dull floor finishes

ES364-1S
ES364-CS

4 x 2 L
2 x 4.73 L



Disinfectants/Sanitizers

Dispenser Ready Concentrates

All Products DIN Registered



NO FRAGRANCE OR DYE

ES65H
Hydrogen Peroxide Disinfectant Cleaner



DIN# 02451115

- ▶ One product program with multiple dilutions
- ▶ Kills 99.99% of bacteria, fungi and viruses
- ▶ Registered Food Grade Sanitizer
- ▶ 10 minute, registered dwell time

ES65H-1S 4 x 2 L
ES65H-CS 2 x 4.73 L



EXTREMELY ECONOMICAL

ES128
Disinfectant - Sanitizer - Fungicide - Deodorizer



DIN# 02323397

- ▶ Phosphate free disinfectant, cleaner, sanitizer and deodorizer
- ▶ Cost-effective solution to your facility's economic efforts
- ▶ Not only kills germs but it is also effective against bacteria, including salmonella, staphylococcus & athlete's foot fungus
- ▶ Dilution for food grade sanitizing 1:501

ES128-4CS2 4 x 1.89 L
ES128-CS 2 x 4.73 L



ES256H
Neutral Disinfectant Concentrate

DIN# 02375117

- ▶ One step neutral disinfectant that is effective against a broad spectrum of bacteria
- ▶ Cleans, shines, deodorizes and disinfects all hard non-porous surfaces listed on the label
- ▶ Phosphate-free formulation
- ▶ Neutral pH will not dull finishes with repeated use

ES256H-4CS2 4 x 1.89 L
ES256H-CS 2 x 4.73 L



Disinfectants/Sanitizers

Ready-to-Use Disinfectants



ES15
Spray & Wipe
Disinfectant
Cleaner (RTU)

DIN# 02489740

- ▶ Effective against a wide variety broad spectrum of microorganisms including bacteria, antibiotic resistant bacteria and viruses
- ▶ Cleaner, Disinfectant, Deodorizer, Sanitizer, Bactericide and Virucide



ES21
Enhanced Hydrogen
Peroxide Disinfectant

DIN# 02522462

- ▶ One-step, ready-to-use disinfectant
- ▶ Perfect for any facility or food establishments that require a no fragrance or no dye product
- ▶ Hydrogen Peroxide based disinfectant as an alternative to quat based disinfectant
- ▶ 3 minute dwell time and is effective against a wide variety of broad-spectrum microorganisms

ES15-6	6 x 946 mL
ES15-4	4 x 3.78 L
ES15-18*	18.9 L
ES15-208*	208 L
ES15-TOTE*	1000 L

*Non-stock available upon request: 18.9L, 208L, 1000L

ES21-6	6 x 946 mL
ES21-4	4 x 3.78 L
ES21-18*	18.9 L
ES21-208*	208 L
ES21-TOTE*	1000 L

*Non-stock available upon request: 18.9L, 208L, 1000L

Sanitizers



ES512
Sanitizer

DIN# 02255154

- ▶ An effective sanitizer that has broad-spectrum action, a long active life, is safe, has a low odour and is economical
- ▶ This product deodorizes those areas which generally are hard to keep fresh smelling
- ▶ Also a registered disinfectant at 1:128

ES512-CS	2 x 4.73 L
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LEVELS OF DISINFECTANTS

Choosing the proper level for your facility

	PRODUCTS	FEATURES	UNIQUE VALUE PROPOSITION	TARGET SEGMENTS	DILUTIONS
1	 ES24	Food Service disinfectant cleaner DIN: 02255650 Cleaner Disinfectant Fungicide Mildewstat Virucide Sanitizer	Great detergency Cleans well Safer Economical Multiple surface use One cleaner / multiple dilutions No chemical contact concentrates	Low : Food Processing Warehouse Manufacturing Industrial & Assembly	1:25
1	 ES25	Heavy duty cleaner disinfectant and sanitizer DIN: 02255642	Great detergency Cleans well Safer Economical Multiple surface use One cleaner / multiple dilutions No chemical contact concentrates	Low : Food Processing Warehouse Manufacturing Industrial & Assembly	1:25
2	 ES64H	Quat based DIN: 02503212 Available now in Canada Neutral pH	Authorized for sale by Health Canada Meets Health Canada emerging viral pathogen claims for SARS-COV-2 Cleans, disinfects and deodorizes Bactericidal, Virucidal, Fungicidal, Mildewstat Excellent microbial efficacy	Intermediate: Education K-12 Colleges/Universities BSC/ Property Management/ Public Transit Healthcare/ LTC	1:64
2	 ES65H	Hydrogen peroxide DIN: 02451115 EcoLogo certified No fragrance, No dye 10 minute dwell time	Food grade sanitizer Hospital disinfectant One product / multiple dilutions No chemical contact concentrates	Intermediate: Education K-12 Colleges/Universities BSC/ Property Management/ Public Transit Healthcare/ LTC	1:12 Disinfectant / Sanitizer 1:20 Heavy Duty Cleaner 1:32 Medium Duty Cleaner 1:127 Light Duty Cleaner / Floors
2	 ES15	RTU Spray & Wipe Disinfectant Cleaner DIN: 02489740	Effective against a wide variety broad-spectrum of microorganisms Meets Health Canada emerging viral pathogen claims for SARS-COV-2	Intermediate: Education K-12 Colleges/Universities BSC/ Property Management/ Public Transit Healthcare/ LTC	Ready-to-Use
2	 ES128	Quat based DIN: 02323397 EcoLogo certified Neutral pH No fragrance, No dye 10 minute dwell time	Hospital disinfectant Food service sanitizer Cost effective dilutions No chemical contact concentrates	Intermediate: Education K-12 Colleges/Universities BSC/ Property Management/ Public Transit Healthcare/ LTC	1:143 Medical Disinfectant 1:251 Non-Medical Disinfectant 1:512 Food Service Disinfectant
2	 ES512	Broad-spectrum action DIN: 02255154 No Rinse No fragrance, No dye	Hospital disinfectant Food service sanitizer Cost effective dilutions No chemical contact concentrates	Intermediate: Education K-12 Colleges/Universities BSC/ Property Management/ Public Transit Healthcare/ LTC	1:512
3	 ES364	Quat based DIN: 02470802 Neutral pH 5 minute dwell time 5 minute Norovirus kill claim Meets Health Canada emerging viral pathogen claims for SARS-COV-2	Authorized for sale by Health Canada Meets Health Canada emerging viral pathogen claims for SARS-COV-2 Wide variety of microbial kill claims 5 minute Norovirus claim Bactericidal, Virucidal, Fungicidal, Mildewstat Odour counteractant No chemical contact concentrates	High: Healthcare(Accute Care) LTC Veterinary	1:64
3	 ES256H	Hospital grade DIN: 02375117 Effective against viruses and bacteria including HIV and VRE Neutralizes malodors Controls mildew Meets Health Canada emerging viral pathogen claims for SARS-COV-2	Hospital disinfectant Food service sanitizer Cost effective dilutions No chemical contact concentrates Meets Health Canada emerging viral pathogen claims for SARS-COV-2	High: Healthcare(Accute Care) LTC Veterinary	1:256

Dispenser Solutions

CLEAN & DISINFECT
up to **95%** of your
FACILITY
using only one or two concentrate products

How to choose the right program for your facility

- 1** Do you have multiple surfaces to clean?
 - Floor Cleaning
 - Glass
 - Carpet Extraction & Spotting
 - Grout Cleaning
 - Stainless Steel
 - Washrooms
- 2** Do you require a dye free/fragrance free product?
- 3** Do you need a Disinfectant or Sanitizer?
- 4** Do you require lockable cabinetry / AIRGAP backflow compliance

It is not a question of whether or not you need dilution control, it is a question about which system best suits your facility.

Typical product savings are estimated at 25% or more, therefore contributing to a safer and healthier facility.

Best option for fragrance and dye free solutions

ES65H program



ES65H

Hydrogen Peroxide Disinfectant Cleaner



ES65H-CS: 2 x 4.73 L

DIN# 02451115

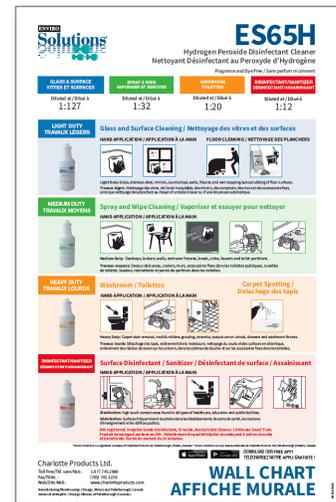
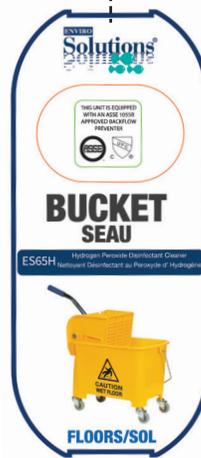
Features & Benefits

- ▶ One product program with multiple dilutions
- ▶ Food Grade Sanitizer Registered
- ▶ 10 minute, registered dwell time
- ▶ 7.25% Hydrogen Peroxide
- ▶ Oxidizing multi-purpose degreaser
- ▶ Fragrance and Dye Free
- ▶ Effective against Herpes Simplex Type 2, Influenza Type A2 and HIV-1
- ▶ Kills 99.99% of bacteria, fungi and viruses
- ▶ For use with cold water



Dispenser

Code: LSP1-ES65H



- ▶ Multiple dilutions: 4 bottle fill, 1 bucket fill
- ▶ More accurate dilution compared to free pouring – save time and money
- ▶ No chemical contact when changing bottle with “no-touch caps”, improves employee wellness
- ▶ Integrated filter combats hard water conditions providing additional protection by filtering particulates that can cause accuracy issues, downtime and reactive service calls



Product Code
TS932C65HGS-G



Product Code
TS932C65HSW-G



Product Code
TS932C65HWR-G



Product Code
TS932C65HDS-G



Product Code
CPS157A



Product Code
CPS158A



Product Code
CPS156A



Product Code
CPS155A



Product Code
5702



Product Code
5707



Product Code
5704



Product Code
5706

Safely remove organic matter then sparingly and thoughtfully apply a disinfectant in those high risk, high touch areas.

ES72 + ES64H or ES364 program

CLEAN



ES72
Hydrogen Peroxide
Multi-Purpose Cleaner



ES72-1S: 4 x 2 L
ES72-CS: 2 x 4.73 L



ES64H
Neutral
Disinfectant
Cleaner

ES64H-1S: 4 x 2 L
ES64H-CS: 2 x 4.73 L
DIN# 02503212

OR



ES364
Neutral
Disinfectant

ES364-1S: 4 x 2 L
ES364-CS: 2 x 4.73 L
DIN# 02470802

DISINFECT (choose one)

Dispensers



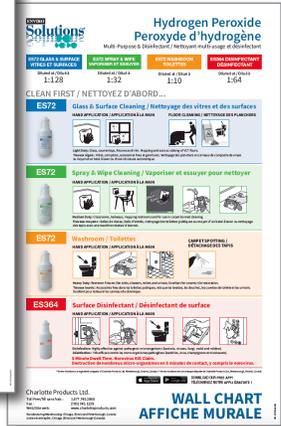
Code: LSP2-ES-662
(2L bottles)



Code: LSP3-HL6472-AIR
(4.73L bottles)

Features & Benefits

- ▶ Multiple dilutions: 4 bottle fill, 1 bucket fill
- ▶ More accurate dilution compared to free pouring – save time and money
- ▶ No chemical contact when changing bottle with “no-touch caps”, improves employee wellness
- ▶ Integrated filter combats hard water conditions providing additional protection by filtering particulates that can cause accuracy issues, downtime and reactive service calls
- ▶ Built in “Flow Stabilization” effectively reduces high pressure water conditions in both low and high flow eductors. This assures accuracy of product dilution for better cleaning performance
- ▶ Safe, lockable cabinet



Product Code ES72BTL-32LD Product Code ES72BTL-32MD Product Code ES72BTL-32HD Product Code ES64HBT-L-GHS Product Code ES364BTL-32



Product Code CPS157A



Product Code CPS158A



Product Code CPS156A



Product Code CPS155A



Product Code 5702



Product Code 5707



Product Code 5704



Product Code 5706

Best option for both general cleaning and auto scrub applications (high flow/low flow)

ES72 + DISINFECTANT program

CLEAN



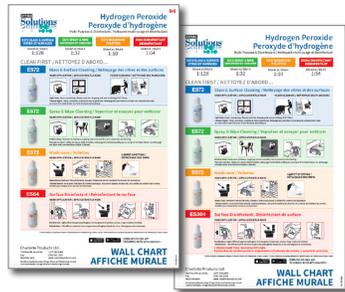
ES72
Hydrogen Peroxide
Multi-Purpose Cleaner



ES72-CS: 2 x 4.73 L

Dispenser

Code: LSP3-HL6472-AIR



Features & Benefits

- ▶ Multiple dilutions: 4 bottle fill, 1 bucket fill
- ▶ More accurate dilution compared to free pouring – save time and money
- ▶ No chemical contact when changing bottle with “no-touch caps”, improves employee wellness
- ▶ Integrated filter combats hard water conditions providing additional protection by filtering particulates that can cause accuracy issues, downtime and reactive service calls
- ▶ Built in “Flow Stabilization” effectively reduces high pressure water conditions in both low and high flow eductors. This assures accuracy of product dilution for better cleaning performance

Silkscreen bottles, secondary labels, wallcharts, caps and triggers available.



ES64H
Neutral Disinfectant
Cleaner

LARGE VARIETY OF KILL CLAIMS

ES64H-CS: 2 x 4.73 L
DIN# 02503212

OR



ES364
Neutral Disinfectant

5 MINUTE DWELL TIME
NOROVIRUS KILL CLAIM

ES364-CS: 2 x 4.73 L
DIN# 02470802

OR



ES128
Disinfectant - Sanitizer -
Fungicide - Deodorizer

NO FRAGRANCE
NO DYE
FOOD SERVICE APPROVED

ES128-CS: 2 x 4.73 L
DIN# 02323397

OR



ES256H
Neutral Disinfectant
Concentrate

MOST ECONOMICAL
MULTITUDE OF KILL CLAIMS

ES256H-CS: 2 x 4.73 L
DIN# 02375117

DISINFECT (choose one)

Create safe, healthy spaces.



Proven safer cleaning for healthier future generations.



BY
CHARLOTTE™
PRODUCTS LTD.

LEADERS IN SURFACE CLEANING

www.charlotteproducts.com | 1.877.745.2880 | info@charlotteproducts.com



CAT-ENVIROCA-H