

# SeniorSafe

*Advanced Cleaning, Odor + Infection Control  
to Secure Long Term Care & Indoor Residential  
Environments*



WCP Facility Solutions

# Mission

Utilize physics and chemistry to greatly improve indoor air quality and provide secure surface hygiene reducing the likelihood of infections and repeated exposure to hazardous chemicals and toxins where we live, work, play and learn



# About **WCP Facility Solutions**

## **Business centered around Facility Health and Wellness**

- Healthcare (HAI / CAI Eradication)
- Residential (Nursing Homes, Assisted Living Spaces, Apartments, Condos, Vacation)
- Education (Student + Staff Safety / Savings Benefits per Facility)
- Industrial (Employee Absenteeism / Environmental Safety)
- Agriculture (EPA Restrictions / Eliminate Mold + Bacteria)
- Entertainment (Music Venues / Stadiums, Arenas, Theaters, Clubs)
- Recreation (Cruise line Safety / Hospitality Industry, Gyms)
- Retail (Odor Control / Antimicrobial Laundry Additive)
- Liability Risk Mitigation (Lawsuit Avoidance / Fine Reduction)
- Reduce large scale infectious outbreaks (Correctional Facilities)

## **Product Agnostic**

- Find best in class products, design and implement a coordinated symbiotic suite of healthy building technologies and integrate them into cost effective solutions and savings



# SeniorSafe Agenda

## PHASE 1

**Identify the Problems**

## PHASE 2

**Increase Indoor Air Quality (IAQ) and implement cleaning and infection control solutions**

## PHASE 3

**Develop monitoring tools for occupants and staff to ensure improved living conditions**

## PHASE 4

**Construct Cost/Benefit Analysis**

## Immediately: “Upgrade current public health practices.”

WCP Facility Solutions recognizes there are no “silver bullets” in the world of infection and odor control. We know the problem is complicated and requires multiple solutions. WCPFS specializes in implementing safer cleaning and infection control strategies to “control” the spread of microbes.

### Let us attack this problem for you by

- Using a systematic layered approach focused on proven methods of transmission and transference
- Instituting state of the art technologies to alleviate costs
- Implementing disruptive products to provide superior outcomes
- Monitoring outcomes from utilized technologies
- Collecting relevant data and providing systematic analysis for “best practice scenarios”

# Methods of **Transmission**



## **Surfaces**

*Touch Contamination*



## **Textiles**

*Spore Capture / Bacteria*



## **Hygiene**

*Hand Washing*



## **Exposure**

*Outside Sources*



## **Air**

*Vectors / Air System Handling*

# BIOPROTECT™

## 6 Hour Hand Sanitizer

- Regular hand sanitizers work only when the product is wet
- BIOPROTECT™ unique alcohol-free foaming hand sanitizer delivers 6-hour residual protection on skin surfaces
- Benzalkonium Chloride/Aloe formulation, non-sticky, non-greasy, no odor
- Once applied the material bonds to the skin surface and provides continual protection even after hand washing/hygiene procedures
- Application on hands reduces inoculation of touch points throughout the environment, reduces cross contamination
- Alcohol-free, no fire hazard for storage, or false positive drug testing results for personnel
- Reduces likelihood of viral exposure, aids in keeping family, friends, and guests well



# Surface Antimicrobials

**Chlorine Dioxide (ClO<sub>2</sub>) Solution Surface Deodorizer**

**Chlorine Dioxide (ClO<sub>2</sub>) - Off Gassing Deodorizing Tablets**

**Hypochlorous Acid (HOCL) - Disinfectant**

- **Chlorine Dioxide (ClO<sub>2</sub>)** is an all-purpose, surface cleaner which is an excellent solution to eliminate smoke and odors
- **Off Gassing Tablets** require no labor – simply place the tablet in the appropriate container of water
- **Chlorine Dioxide (ClO<sub>2</sub>)** is the CDC's recommended product for disinfection of PPE vs Ebola.
- **Hypochlorous Acid (HOCL)** is made naturally by white blood cells in all mammals for healing and protection
- **Hypochlorous Acid (HOCL)** is a powerful oxidant that is effective against bacteria, fungi, and viruses

## **Label Claims Bacteria and Fungi**

- Salmonella enterica
- Escherichia coli
- MRSA
- Salmonella enterica
- Acinetobacter baumannii
- Staphylococcus aureus
- Legionella pneumophila
- Aspergillus niger
- Enterobacter aerogenes
- Listeria monocytogenes

## **Label Claims Viruses**

- HIV-1
- Norovirus (feline calicivirus surrogate)
- Respiratory syncytial virus
- Rotavirus
- H1N1 flu virus
- H5N1 flu virus
- Hepatitis B
- Hepatitis C



# SHIELD™ Disruptive Biostatic Agent 90 Day Surface Protectant

- Effective on surfaces for up to 3 months
- Eliminates bacteria, mold, fungus, algae, and other odor causing microbes
- Organic, non-toxic, non-leaching, water-based molecule
- Persistently kills organisms mechanically instead of chemically
- EPA approved for porous and non-porous surfaces
- Works on textiles in laundry solutions, provides odor control
- Provides an anti-static component to laundered materials
- A Silicone Quaternary Ammonium Salt (Organo-Silane Molecule)
- Approved for direct surface food and pet contact
- Edison Award Winning product





# SHIELD™

## Laundry Treatment

- Organic product non-toxic, water-based molecule laundry softener for clothing, uniforms, textiles, and tablecloths
- Extends garment/uniform life as bacteria feed off dead skin cells embedded within the clothing fibers
- When the SHIELD™ treatment has dried and establishes its mechanism of defense the matrix inherently adds beneficial hydrophobic qualities to textiles with which it has been applied
- This process enhances the material's ability to resist spills, soiling, liquids and absorption of sweat and body odors while still allowing the garment to significantly breathe and provide evaporative cooling
- Produces persistent residual self-sanitizing against athlete's foot fungus (*Trichophyton mentagrophytes*) on treated socks. Durable for up to 10 repeated washings; prevents 99.9% of athlete's foot fungus growth
- Provides anti-static component, exceptional odor control



- Multi-purpose cleaner /degreaser
- Mop Floors
- Sanitize Tables
- Clean Bathrooms
- Remove Odors
- Clean Cooking Equipment
- Clean Windows
- "Everyday Cleaner"

**Liquid Cleaners and  
Disinfectants Leave  
Behind Biofilm**

**Simix Cleaner**

**Detergent**

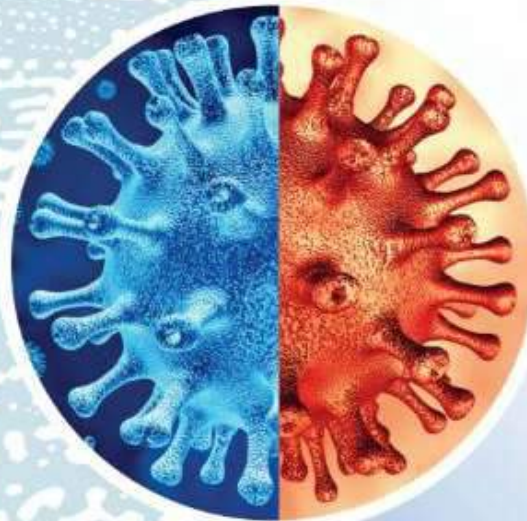
*Dissolves the  
lipid membrane*

**Hydrogen Peroxide**

*Destroys viral structure*

**High pH**

*Hostile to viral and  
microbial growth*



**Biofilm is a Hideout  
and a Food Source for Microbes**

**Simix Removes and Prevents  
Biofilm Build-up**

# SIMIX™ Floor Coating Reducing “Slip and Fall” Incidents

SIMIX Multi-Surface Ceramic Clearcoat creates less slippery floors and is rated as high traction by ANSI standard “Dynamic Coefficient of Friction” (DCOF) testing. Using a tribometer on a wet surface, floors treated with Simix™ maintain high DCOF ratings (above .42) and are safer for students, customers, faculty and staff. This results in a reduction of “slip and fall” incidents, relating filing of potential lawsuits, insurance claims and processing of requisite paperwork.



Coating DCOF result ANSI Standard Range SIMIX  
Ceramic Clearcoat = .436 High traction

# PerfectCLEAN™ Microfiber

- **Physically removes 85% of grime, dust and Micro-organisms**
- **Durable and Chlorine Stable designed to meet CDC guidelines for Blood-Borne Pathogens**
- **Lint-free therefore lessens particulates produced from paper towels**
- **Multicolor to identify use area (Bathroom vs Kitchen Applications) helps limit cross contamination**
- **Provides an electrostatic charge to *attract* debris**
- **Aides in achieving Dwell Time**
- **Reduces waste**
- **Highest Absorption Capacity of any Product Tested**
- **Multiple patents including internationally patented "Built-in Antimicrobial Product Protection"**



# Scrub & Clean Sponge

Proprietary Antimicrobial coated.  
One side is a dense terry-type material ideal for cleaning and the back side has “thin film” knitted into the surface to provide for a less aggressive scrubbing action. The terry side is made from TW420AM, a proprietary double sided terry material developed to meet the rigorous quality, durability and performance of the commercial laundry. Adhering to strictest Quality Control Standards this material offers the highest concentration of micro-denier fiber resulting in unrivaled performance – it takes the effort out of cleaning.



# Indoor Air Quality Approach

We understand that decreasing overall particulates and microbes found in confined spaces, leads to better health cost savings, along with lower risk of airborne transmission of microbes and decreases the likelihood of microbial touch contamination therefore preventing illness and subsequent hospital transfers.

WCPFS maintains access to a number of filtration technologies which can accomplish this goal, and can suggest filters to raise the level of clean air in your home.





# HIGH EFFICIENCY AIR FILTRATION

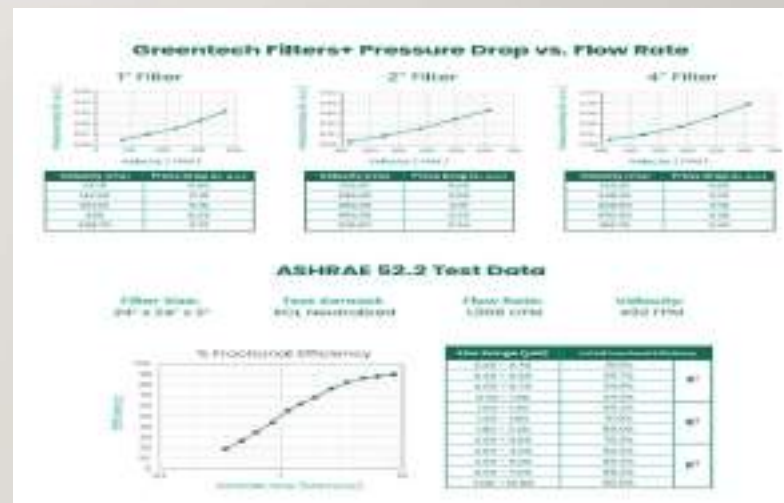
These filters provide high quality true MERV 13A air with the added benefit of a proprietary micro-biostatic surface coating Destroying Odors, reducing particulates such as dust, pollen and pet dander into your home. It is important to start with as clean Indoor Air Quality as possible monitoring results then adding supplemental devices to obtain the highest Indoor Air Quality (I.A.Q.) results.



## Standard Sizes

16" x 20"  
16" x 25"  
20" x 20"  
20" x 25"  
24" x 30"

**Please Call for Custom Sizing**



## Monitoring – *Doing what we say we do....*

The Purity Alliance maintains a number of strategic alliances with technology companies providing monitoring of viable air samples and surface contamination with cloud based, and off-site notification capabilities. We suggest you purchase a monitor that shows the following to show the results of the technologies

Providing measurement of environmental parameters such as:

- Temperature
- Humidity
- Ozone
- CO2
- Pressure Differentials
- Particulate Matter from 0.1 micron to 10 micron
- VOC's

Protect family, friends, and guests to help decrease the likelihood of viral transmission. There are a number of units available in the marketplace, let us utilize our decades of experience to select the unit that is right for your home.



# SeniorSafe Summary



## Lower Monthly Expenses

*Cleaning + antimicrobial costs*



## 24/7 Protection

*Continuous surface + textile cleaning and sub-micron indoor air filtration*



## Helps Ensure Safety

*Family, friends, and guests*



## Environmentally Safe

**SHIELD™ 90 Day Surface Protectant**

**BIOPROTECT™ 6 Hour Hand Sanitizer**

**SHIELD™ Laundry Treatment**

**PerfectCLEAN™ Microfiber**

**Submicron Indoor Air Filtration**

**Hospital-grade Odor Controlling Disinfectants**

**Environmental Monitoring**

**Infection Control Consulting**



WCP Facility Solutions

Your Partner for Safe and Healthy Facilities

# Thank You For Your Interest!

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