SURFACEGUARD90
BIOSTATIC SURFACE
PROTECTION FOR
CLOTHING, PLASTICS
AND METALS

SurfaceGuard90
Long Lasting Biostatic Surface Protectant

SHARE CORP
Infection is the #1 Cause of Death Worldwide

#3 Cause of Death in United States

Less than 50% of Infections Controlled By Antibiotics

According to US News & World Report:

- $50 Billion + Spent Each Year by US Businesses due to Absenteeism
- Microorganisms are mutating into “Super Bugs”
- CDC Claims 80% of Infections Passed By Human Hands, Touching Contaminated Surfaces.
SurfaceGuard90 is NOT a cleaner or disinfectant.

It is an Antimicrobial Biostatic Surface Protectant or Film that creates a highly durable transparent protective coating to porous and non-porous surfaces. Upon drying it forms a “bed of molecular spikes” that pierce the cell walls of microbes and germs. Efficacy is from a mechanical kill of microorganisms.
SurfaceGuard90 is a EPA registered, innovative product.

Water-based, water safe spray-on antimicrobial protection for porous and non-porous surfaces.

SurfaceGuard90 biostatic protection is an added level of protection against damaging microbes such as bacteria, mold and mildew.
- Completely Water Based Product
- EPA Registered Patented Technology
- Odorless and Colorless
- Creates A Microbial Spike – 1/1000th of the Width of a Human Hair
- Highly Durable, Long Lasting Protective Coating
- Will Not Wash Off with Cleaners or Harsh Chemicals
- Reduces Frequency of Deep Cleaning
- Improves the Cleaning Process
- Engineered For Around the Clock Protection – Works 24/7
- Continuously Fights the Growth of Microbes that Cause Odors and Discoloration of Surfaces
- Molecular Bond to All Porous and Non-Porous Surfaces
- Controls Mold & Mildew from Reoccurring
- Highly Effective in Preventing Cross Contamination
- Use on Fabrics For Permanent Protection
Effectiveness: The molecule never releases itself from surfaces as all other antimicrobials do.

Durability: The product’s stable molecular structure results in a protectant that is long lasting. Protects from 90 days to years depending on surface used on.
Produces A Mechanical Kill

Bonds to ALL Surfaces

Produces Molecular Spike

Positively Charged Nitrogen Atom Attracts Microbe

Microbe Is Destroyed by Molecular Spike Penetrating Cell Wall
Penetrates both gram positive and gram negative bacteria.
SurfaceGuard90 in Action

Cells after 2hrs

Filtered to show dead cells

Wolfaardt 2013
SurfaceGuard90 is a biostatic surface protectant. It does not:

- Leach Poisons like Ag⁺ or Triclosan
- Contain toxic Heavy Metals

SurfaceGuard90 protects surfaces and textiles in between cleanings.

- Attaches to form a self-assembled monolayer on many surfaces
SurfaceGuard90 starts to work as soon as the microorganism comes into contact with the treated surface.

It works continuously to maintain a consistently lower bio-burden (reduces potential to form biofilms) than surfaces without SurfaceGuard90 protection.
The SurfaceGuard90 technology has undergone extensive independent laboratory testing and has a long history of safe use.

It is registered with the EPA for all applications in which it used. (EPA Reg No. 87583-3-91059

SurfaceGuard90 is also “GREEN”

- Environmental Friendly
- No Heavy Metals
- Water Based – No Toxins
- Is Not a Poison
- Does Not Lead to Adaptive Organisms
SurfaceGuard90 delivers proven preventative protection on all substrates.

SurfaceGuard90 water-based technology is safe to use in laundry, as a spray or aerosol.

SurfaceGuard90 does not leach, contain heavy metals, triclosan, phenols, or other poisons. It is a green choice for institutional environments.
Application Suggestions

**Hospitality**
Facilities, bathrooms, shower curtains, vinyl wall covering, carpets, bedding & ticking, bed linens, bedspreads, computer keyboards, phones, remotes, front desk, conference areas, HVAC, filters, room AC units, ventilation systems, exterior walls, base board & window areas, housekeeping carts and laundry room area.

**Commercial & Industrial**
Keyboards, phones, doors, vending machines, carpets, walls, railings, upholstery, equipment, toilets and restrooms, food service areas, cafeterias, conference rooms, HVAC filters and systems, chairs, cushions, dining areas, reception areas, outdoor lawn equipment, building exteriors, sidewalks, driveways, boats, autos, RV’s, camping equipment, trucks.

**Institutional & Municipal**
Classrooms, walls, ceilings, floors, desks, chairs, computers, keyboards, phones, audio-visual equipment, wrestling mats, locker rooms, foot gear, helmets, sports equipment, bleachers, facilities, outside walls & sidewalks, HVAC systems, filters, medical centers, food service areas, gyms, arenas, concession stands, vehicles and buses.

**Healthcare**
Emergency room floors, walls and ceilings, wheelchairs, EMT equipment and vehicles, reception area chairs, desks, tables, upholstery, privacy curtains, beds, rails, call buttons, medical devices and equipment, bed linens, touch points, TV remotes, keyboards, crash carts, gurneys, uniforms, scrubs, housekeeping carts and equipment, and air filters.

**Construction**
Hardwood, plywood, drywall window treatments, joists, concrete, masonry, roofing tiles, cedar shakes, carpeting, cupboards, closets, HVAC systems, under sinks and countertops, tub and surround enclosures & backings, wall coverings. Can be applied to painted or treated surfaces that are color safe.

**Food Industry**
Processing equipment, shopping carts, ice machines, trash containers, walls, ceilings, floors, pallets, touch key pads, computer keyboards, transportation carts, refrigerated vans and trucks, transportation vehicles, high touch areas, pass thru doors, coolers, chillers, HVAC systems, filters, clean room walls, floors, ceilings, lab areas, employee break areas, vending machines, phones, intercoms, dining tables, carpets, dumpster areas, high odor areas, sidewalks and entry ways.
SurfaceGuard90 & Mold

EPA Approved to Inhibit and Control Mold, Mildew, Algae and Bacteria

SurfaceGuard90 is extremely effective against mold (mildew) and provides protection long after conventional treatments are no longer effective.

SurfaceGuard90 applied and allowed to dry provides the following benefits:

- Effectively inhibits growth of mold, mildew, algae and bacteria
- Protects against microbial deterioration, discoloration and odor
- Provides an invisible durable microbiostatic protective film
- Continues to provide active protection

SurfaceGuard90 after 2 years of outside exposure
SurfaceGuard90 on Fabric

Laundry Formula
Protective Barrier Last Life of Garment / Fabric Treated

Add SurfaceGuard90 when laundering for long lasting protection against odor and microbes.

Special concentrated formula for laundry is available for manufacturers or household applications. Introduce at “final rinse”.

Use on bedsheets, towels, blankets, bedspreads, carpets, draperies, mattress pads, shower curtains, upholstery, shoes, clothing and filters.

EPA registered and approved for fabric treatments.
## SurfaceGuard90 Touch-Point and Treatment Rate Table

<table>
<thead>
<tr>
<th>Treat Rate</th>
<th>Priority</th>
<th>Touch Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous Touch</td>
<td>Priority 1</td>
<td>Mobile or Cell Phones, Healthcare Cart Handles, Computer Keyboard, Door Handles, Public Wash Rooms, Counter Tops, Toilet Handles, Appliances</td>
</tr>
<tr>
<td>Treat Every 30 Days</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequent Touch</td>
<td>Priority 2</td>
<td>Light Switches, Stationary Telephone, Testing Equipment, Buckets &amp; Wringers, Tools, Patient Bed Rails, Wheelchairs &amp; Walkers</td>
</tr>
<tr>
<td>Treat Every 90 Days</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequent Touch</td>
<td>Priority 3</td>
<td>Window Treatments, Healthcare Cart Internal, Shelves &amp; Walls, Vacuum Equipment, Carpet &amp; Upholstery, Storage Areas &amp; Checks</td>
</tr>
<tr>
<td>Treat Annually</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rarely Touch</td>
<td>Priority 4</td>
<td>HVAC Registers – Ducts, Enclosed Areas, Drywall, Wall Hangings, Ceiling &amp; Walls, Cabinets</td>
</tr>
<tr>
<td>Treat Every 3 Years</td>
<td></td>
<td></td>
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</tbody>
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**Every environment is unique so it is important to understand the schedule of reapplying SurfaceGuard90**
SurfaceGuard90 comes in various packaging and concentrations depending on the size of your job. Packaging ranges from quarts to 55 gallon drums.

Application methods include wiping, spraying, misting or dipping (immersion). Can be applied with cloth rag, sponge, trigger spray head, pump up sprayers and misting machines or in case of fabric protection dipped or immersed in solution.

Coverage per gallon of product (RTU) for treating all surfaces is approximately 2200 to 2500 square feet. Available in a super concentrate for large square footage applications.

For laundry or treating fabrics, use 4oz of concentrated laundry formula per standard load (10-12 lbs) of clothing / fabric. Usually will last life of garment, if odors re-occur simple re-treat.