



a **MYTH**
no longer
valid that...

...only the
OT needs
total
PROTECTION.



DPShieldTM

(DPShield HELP TO PROTECT FROM **BACTERIA** & **MICROORGANISMS**)



Holistically
Protecting Your
Healthcare
Establishment
from
Bacteria
& Microorganisms

We want to help control the spread of germs by protecting all the surfaces we touch.

Show that you understand the concerns of all the stakeholders and you CARE.

Everywhere in our healthcare facilities billions of harmful micro-organisms are making our life prone to several diseases.

DP Shield™ provides complete Peace of Mind.



There is an increasing interest in the role of cleaning for managing hospital-acquired infections (HAI). Pathogens such as vancomycin-resistant enterococci (VRE), methicillin-resistant Staphylococcus aureus (MRSA), multiresistant Gram-negative bacilli, norovirus, and Clostridium difficile persist in the health care environment for days. Traditional cleaning methods are notoriously inefficient for decontamination, and new approaches have been proposed, including antimicrobial surface protectant.

Environmental screening confirms repeated contamination of items, equipment, and general sites in bed spaces and rooms of colonized or infected patients and often throughout multiple clinical areas in a health care institution. Healthcare workers' hands are liable to touch these contaminated surfaces during patient care, which increases the risk of onward transmission to others.

So, protect your medical facility and all surfaces against the growth of numerous mold, mildew, fungi, algae and bacteria which cause staining, odor and discoloration. Protect all your Staff & Clients.

DPShield™ forms a highly durable bond with virtually

any surface, working continuously, with just one easy application to provide an invisible biostatic protective film to prevent harmful bacteria, fungi, mold and mildew between cleanings. It is effective for 90 days. Advisable to reapply between 15 - 30 days.

Water based - EPA Registered Formula -Odorless and colorless - Protects a wide range of surfaces -Highly durable Non-toxic technology.

How it Works

One end of the DP Shield™ molecule creates a strong bond with a multitude of surfaces, both porous and nonporous, forming a highly durable protective coating. The other end of the molecule forms a microscopic bed of spikes that puncture microbes like a bed of nails. The DP Shield™ Microbiostatic Antimicrobial Coating physically ruptures the cell walls of these microbes, without the use of poisons. Since the DP Shield™ Microbiostatic Antimicrobial Coating methodology is mechanical instead of a poison, it does not create "superbugs," which are microbes that build up a resistance to treatment.

Surface Protection vs. Disinfection

- In Healthcare environments, it is important to understand the fundamental differences between surface protection and disinfection. In addition, The use of DP Shield™ is not meant to replace current protocols. Instead, the use of DP Shield™ will greatly enhance traditional cleaning methods.
- With most disinfectants, a ten-minute dwell time on a surface will render most microbes inactive. Unfortunately, disinfectants fall into the category of non-bound technologies. In other words they off-gas poisons to be effective against microbes. By doing this they in effect "give themselves up" and on total evaporation leave little if any residual benefits...dry surface = zero kill.
- Here is where DP Shield™, surface protectant excels. Through the process of splicing Silane and Organo molecules, this combination yields a very efficacious surface treatment. This splicing allows the best properties of a disinfectant to continue working on the surface for up to ninety days. In effect, any surface treated with DP Shield™ will have long-term protection. Since the Mode of Action is micro-biostatic nature, it is equally effective on all surfaces. This includes both porous and non-porous surfaces. This is another benefit since most disinfectants are only approved for hard, non-porous surfaces.

Comparison-Chart:

Composition	Formaldehyde	Silver Nitrate + Hydrogen Peroxide	Potassium Peroxy-mono Sulphate, Sodium Dodecylbenzene-Sulfate, Sulfomic acid	DP Shield™
Dilution/Ltr. of Water	500 ml.	200 ml.	200 gms	Ready to use
Merits-Demerits	Carcinogenic, Irritant, sticky Surface	Unstable, non-eco-friendly, irritant, burns, time consuming, corrodes high cost instruments in Ot's & ICU's	Non-eco-friendly, Corrosive, irritant, causes burn, not effective against mycobacteria, can cause damage to tissues	Eco-friendly, non-carcinogenic, non-corrosive, non-irritant, non-staining, cost-time-labour saving, broad spectrum anti-microbial activity
Reaction time	-	20 minutes	10 minutes	10 minutes

Active Ingredients:

- 3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride < 1%
- n-alkyl dimethyl benzyl ammonium chloride < 1%
- Octyl decyl dimethyl ammonium chloride < 1%
- Didecyl dimethyl ammonium chloride < 1%
- Dioctyl dimethyl ammonium chloride < 1%

FAQ:

■ How long will the treatment last?

Since the cured antimicrobial is non-volatile, insoluble and non-leaching, one treatment ideally lasts for 90 days on the treated surface. However, effective life of a treatment depends on other factors such as initial cleanliness; on-going cleaning practice etc., so re-application after 30 days is recommended.

■ Can the product be used on porous and non-porous surfaces?

Yes, it can be used on all surfaces both porous and non-porous. This is a tremendous advantage over disinfectants.

■ Is there regrowth after treatment?

Because of its unique chemistry, it provides long-term protection against regrowth and future contamination on treated surfaces. Porous surfaces, which are contaminated below the surface, will occasionally experience some growth that breaks through a treated surface.

■ Does it begin working immediately?

It begins to work after it has dried and as soon as the microorganism come into contact with the protected surface. Under right conditions, microbes on an untreated surface can be doubled in every 20 minutes.

Directions for use :

For spray application: using a trigger pump sprayer, spray the entire surface area 4" - 6" from the surface making sure the surface is completely covered. The surface should remain visibly wet for 10 minutes then wipe the surface dry.

For mop and bucket application: Take DP Shield™ in a bucket. Mop area thoroughly.

For soaking applications: Take DP Shield™ in a container and. Soak the item for 10 minutes then wipe dry.

DPSHield can be used on:

- coils and drain pans of air conditioning and refrigeration equipment and heat pumps.

as a broad-spectrum disinfectant in Ultrasonic Baths (Ultrasonic cleaning units).

- for cleaning and disinfecting of ultrasound transducers, probes, mammography compressor plates and other hard nonporous surfaces. Will not cause swelling of transducer membrane or harm compressor plates.

- Veterinary Practices, Animal Care, Animal Laboratory and Farm Premise applications.

- for swine premise sanitation on/in hauling equipment, loading equipment, farrowing barns and areas, nursery, blocks, creep areas.

- for farm premise sanitation on floors, walls, forks, shovels, scrapers and other hard, non-porous surfaces in barns, pens, stalls, and other facilities and fixtures occupied or traversed by animals.

- to clean and disinfect (manicure)(nail)(salon)(barber) tools and instruments: combs, brushes, scissors, blades, and manicure instruments.

- on (to clean and disinfect) protective headgear, hard hats, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors, and earmuffs. Rinse all equipment that comes in prolonged contact with skin with warm water and allow it to air dry before reuse.

Allow treated areas and surfaces to dry before use. Remove children and pets from the treated area until completely dry.

Clean surfaces prior to application.

This product is not to be used as a terminal sterilant/ high-level disinfectant on any surface or instrument that

(1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body,

or,

(2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product can be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

Laundry Bacteriostat: Soiled and contaminated fabrics are of major housekeeping concern in hospitals, institutions, hotels, restaurants and schools. DP Shield™ provides cleaning properties against odor-causing bacteria for laundered items such as diapers, hospital and institutional linens, and athletic clothing. Use 100ml. DP Shield™ per Kg. of dry fabric and add to the wash wheel in the final rinse. Retreat fabric after each washing. Dry fabric prior to use.



Operation Theatre



TOUCH POINTS

Be proactive with **DP Shield™**

- Wheel Chairs * Ambulances * Recovery Rooms
- All Touch Points * Air Handling Units * Towels & Bedding
- Trolleys * Waiting Rooms * Bathrooms
- Pharmacies * Food Prep Areas
- * Uniforms * Physio-Equipment * Hand Rails



Trolleys

APPLICATIONS



Ambulance



Reception



Waiting Lounge



Wheel Chairs



Pharmacy



Bedding



Bathrooms



Cafeteria



Recovery Rooms



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