



ClearSpace

Powered by PreventX

COVID-19 Free For Up to 90 days Safely Halts the Spread of Germs for Every Surface

- Destroys germs on contact and provides 90 days of bio-barrier protection against recontamination
- Effective for hard (wood, metal, laminate, stone, glass) and soft surfaces (upholstery, leather, vinyl, carpet)
- Easy to apply
- Complements the disinfection/sanitizing efforts, i.e, insurance against COVID spread
- Tested and proven- transportation, food preparation, and hospitals
- EPA Registered
- Can be electrostatically sprayed/fogged
- Can be applied to HVAC air filters to prevent airborne spread

Exclusively distributed in the US and Canada by Royco, a division of the Royersford Spring Co.

For orders or inquiries about ClearSpace
please contact RLM Consulting, LLC.

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FAQs/ Product Information

What is the product?

An antimicrobial barrier treatment. Surfaces coated with this barrier are protected from microbes including COVID-19, other viruses (flus, etc.), Bacteria (staph, strep, E-Coli, pneumonia), Fungi, Mold (full List is available). It is odorless, colorless, invisible, easy to apply, does not stain, and is safe.

How does it work?

The active ingredient acts as a series of sharp “blades” on the treated surfaces that puncture and thereby destroy the cell wall of the microbes.

What types of surfaces does it work on?

Hard and soft surfaces. Examples are upholstered seating, wood, laminate, metal, glass, and plastic. Works on leather, faux leather, vinyl, cloth.

What proof is there that it works?

Adenosine Triphosphate (ATP) is present in all organic material. ATP monitoring is a rapid testing method used by food and beverage processors and medical facilities to quickly assess the cleanliness of a surface. The use of ATP testing equipment is a process of rapidly measuring growing microorganisms through detection of ATP. Tests in medical facilities showed that one-time use of Clear Space reduced the ATP scores by 600% to a safe level.

How long a time is a single treatment effective for?

Up to 90 days.

How much product is needed?

A quart of ClearSpace will cover approximately 1,000 square feet of space.

Toxicity/Safety?

The product is safe for food preparation, serving surfaces, and is used in hospitals, rail/air transportation, professional and college sports locker rooms, etc. It is registered with the EPA and FDA as a biostatic (protects surfaces from germs) and a biocidal agent (destroys germs on contact).

How is the product used?

The product is sprayed onto hard and soft surfaces and then wiped with a microfiber cloth. Product dries in 2-3 minutes. It is completely safe after dry. It can also be electrostatically sprayed/fogged into a space and can be sprayed onto HVAC air filters to further prevent the airborne spread of COVID and other pathogens.

Does sanitizing/disinfecting of the space neutralize the effectiveness of Clear Space?

It does not impact the efficacy of the product. ClearSpace can be applied either before or after the disinfecting process.

Efficacy in the prevention of COVID-19 on textiles and hard surfaces?

ClearSpace is registered as a biostatic agent meaning that it protects surfaces from contamination after it has been applied. Biocidal agents kill viruses/bacteria on contact. ClearSpace is effective on both enveloped viruses and non-enveloped viruses meaning that it has the capacity to also act as a biocidal agent.

How does ClearSpace compare with other anti-microbial products in the market?

The vast majority of products being marketed are effective for bacterial, fungal, and mold infections and NOT for viruses. ClearSpace has been proven to work on viruses including flus and based on its chemical properties also for COVID-19 (see Fact Sheet for more detail).

ClearSpace vs. bleach products (Lysol, Clorox, et.al)?

Bleach products kill viruses and they are inexpensive. However, they are only effective for a matter of seconds. Bleach has no residual properties. The benefits of ClearSpace last for up to 90 days. Bleach is also corrosive on certain surfaces, discolors some surfaces, particularly fabrics and leathers. ClearSpace is a complement to the disinfecting process.

What other benefits does ClearSpace have?

Besides the long list of pathogens (whether they be bacterial, viral, fungal, Algae/yeast/mold related) that ClearSpace destroys and inactivates, the product also mitigates odors and the barrier allows the surfaces to be more easily cleaned.

NOTE- ClearSpace is a bio-barrier product that treats surfaces within an individual's surroundings. We are not making any health claims that a person will not contract COVID-19 or that it can cure anyone from the virus.



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A PARTIAL LIST OF PATHOGENS DESTROYED OR INACTIVATED

Gram Positive bacteria

Bacillus sp. (vegetative cell)
Bacillus subtilis
Clostridium difficile
Corynebacterium diptheriae
Enterococcus sp. (incl. VRE)
Micrococcus sp.
Mycobacterium tuberculosis
Mycobacterium smegmatis
Propionibacterium acnes
Staphylococcus aureus
Staphylococcus aureus (MRSA)
Staphylococcus epidermis
Streptococcus faecalis
Streptococcus mutans
Streptococcus pneumonia
Streptococcus pyogenes

Gram Negative Bacteria

Actinobacter aerogenes
Actinobacter calcoaceticus
Aerobacter aerogenes
Aeromonas hydrophilia
Citrobacter deversus
Citrobacter freundii
Enterobacter aerogenes
Enterobacter agglomerans
Enterobacter cloacae
Enterococcus sp.
coli
Klebsiella oxytoca
Klebsiella pneumoniae
Klebsiella terrigena
Legionella pneumophila
Morganella morganii
Mycobacterium tuberculosis
Proteus mirabilis
Vulgaris Proteus
Pseudomonas aeruginosa
Pseudomonas fluorescens
Pseudomonas putida

Gram Negative Bacteria (cont.)

Salmonella cholerae suis
Salmonella typhimurium
Salmonella typhosa
Serratia liquefaciens
Serratia marcescens
Treponema hyodysenteriae
Xanthomonas campestris

Fungi, Algae, Mold, Yeast, Spores

Alteraria alternate
Aphanizomenon sp.

Aspergillus flaves
Aspergillus flavus
Aspergillus niger
Aspergillus sydowii
Aspergillus terreus
Aspergillus versicolor
Aspergillus verrucari

Anabaena cylindrica
Aureobasidium pullans
Candida albicans
Candida pseudotropicalis
Cephalascus fragans
Chaetomium globosum
Chlorophyta protococcus
Chlorophyta selenastrum
Chlorophyta sp.
Chrysophyta sp.
Chlorella vulgaris
Cladopsorium cladosporioides
Cyanophyta anabaena
Cyanophyta oscillatoria
Cyanophyta (blue-green) sp.
Dreschlera australiensis
Epidermophyton sp.
Gliomastix cerealis Escherichia

ClearSpace – powered by PreventX Antimicrobial Barrier

A PARTIAL LIST OF PATHOGENS DESTROYED OR INACTIVATED

Fungi, Algae, Mold, Yeast, Spores (cont.)

Gloeophyllum trabeum
Gonium sp.
Microsporium sp.
Microsporium audouinii
Monilia grisea
Oscillatoria sp.
Penicillium chrysogenum
Penicillium commune
Penicillium funiculosum
Penicillium pinophilium
Penicillium variable
Phoma fimeti
Pithomyces chartarum
Poria placenta
Pullularia pullans
Scenedesmus
Saccharomyces cerevisiac
Scoleobasidium humicola
Selenastrum gracile
Selenastrum sp.
Trichoderma viride
Trichophyton interdigital
Trichophyton maidson
Trichophyton mentagrophytes
Trichophyton sp.

Viruses

Adenovirus Type II & IV
Bovine Adenovirus Type I & IV
Feline pneumonitis
Herpes simplex Type I
Herpes simplex Type II
HIV-1
Influenza A2 (Aichi) Cryptosporidium parvum
Influenza A2 (Asian) Influenza B
Mumps
Parainfluenza (Sendai)
Rous sarcoma
Reovirus Type I
Simian Virus 40
Vaccinia
MS2
PRD1

Protozoa Parasites

Cryptosporidium parvum

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Fact Sheet **ATP Test Results**

Adenosine Triphosphate (ATP) is present in all organic material and is the universal unit of energy used in all living cells.

ATP monitoring is a rapid testing method used by food and beverage processors and medical facilities to quickly assess the cleanliness of a surface.

The ATP test is a process of rapidly measuring actively growing microorganisms through detection of ATP. This is accomplished by utilizing specialized equipment with results that occur immediately.

An Outpatient Medical facility underwent a 6-week study that included over 40 specific touch points treated with a SINGLE USE of ClearSpace and compared with other touch points that were untreated. Results:

- The average 6-week ATP scores of untreated surfaces was 170.
- The average 6-week ATP scores with ClearSpace- powered by PreventX treated surfaces was 29 (any score under 30 is considered safe and germ free).
- This represents an ATP score reduction of 83%.

In summary, one single treatment of ClearSpace was capable of potentially reducing the microbe load by almost 600%.



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Fact Sheet

Regarding Efficacy and Use of ClearSpace in Prevention of Coronavirus COVID-19 on Textile and Hard Surfaces

ClearSpace- powered by PreventX product is registered with the EPA/FDA as a biostatic agent, meaning that it protects surfaces from contamination after it has been applied. It is important to note that ClearSpace is not making a health claim that a person will not contract Coronavirus, or that we can cure anybody from Coronavirus by treating their surroundings.

Most companies registering biostatic agents never consider viruses in their application process, as viruses are not biologically active on a surface for long periods (as opposed to bacteria, mold, fungi, etc.), usually minutes to hours: and they do not grow on their own, they need a host cell to replicate. Coronavirus appears to be an exception in that it can linger for 72 hours or longer. Silane Quaternary Ammonium Chlorides like ClearSpace, besides its biostatic classification, has been shown to also be biocidal (agent that kills viruses on contact) when applied to a surface first and then contaminated with a viral loading.

Here are some more facts that will help in the information process regarding ClearSpace and its impact on COVID-19.

First, at present, there is no product registered with the EPA as being effective on Coronavirus. The EPA and CDC are basing efficacy against COVID-19 by stating that a product should be able to kill the virus if it is effective against enveloped viruses. They also go a step further by saying that a product that is effective against non-enveloped viruses is preferred, as the non-enveloped viruses are harder to kill than enveloped viruses. ClearSpace has been shown to be effective against both enveloped and non-enveloped viruses.

Second, bleach has been the “go-to” product for disinfecting hard, non-porous surfaces. The CDC has recommended the use of bleach because it is effective on both enveloped and non-enveloped viruses and is readily available and inexpensive. The downside of bleach is that it is corrosive on certain surfaces, and discolors some surfaces, particularly fabrics and leathers. An important fact is that the lifespan of bleach in concentrate deteriorates quickly over time and when mixed in a ready to use format has an even shorter lifespan. The primary downside, in relation to ClearSpace, is that bleach is only effective on a surface as a biocidal agent for a matter of seconds. It then loses its power to disinfect. Bleach has no residual properties.

The benefit of ClearSpace is that when used after a bleach application (or after other approved disinfectants), the surface will stay protected from microbes, including COVID-19. ClearSpace acts a complement to the disinfecting process and because of its long-term effectiveness (up to 90 days per single application) is an important element in maintaining a safe and secure workspace.

Further, the CDC, the ECDC (European CDC), Doctors Without Borders (MSF), the W.H.O. have all said that bleach alone is not working, and have called for novel approaches to help reduce the risk of transmission, both from person-to-person and from surfaces. The EPA, FDA, and the CDC allow for emergency use of products when a public health emergency is occurring. The most cited documentation we should be using is EPA Chapter 18, which deals directly with this issue. Individual states also allow for the emergency use in matters of public health, even if the use is not stated on the Federal EPA registration.



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Fact Sheet

Product Testing/Efficacy/Applications

Testing/Active Ingredients

EPA Reg. No. 83129-1(2)

PreventX is a Silicone Quaternary Ammonium Salt.

Active ingredient: 3-(trihydroxysilyl) propyldimethyloctadecyl ammonium chloride

Approved applications include the following:

- All types of air filters
- Apparel, athletic gear, sports equipment
- Automotive parts
- Wood, laminate, metal, glass, stone, hard surfaces
- Building materials including wood and wood components
- Home products: bedding, bathroom and kitchen hardware, draperies
- Ceiling tiles
- Concrete products
- Carpet

Boeing Test Results

INTERIORS OF COMMERCIAL TRANSPORT AIRCRAFT: Disinfectant category Test done by Scientific Material International for Boeing entitled CLEANING

Product received "Conforms" status for 11 types of surfaces including:

- No corrosion of aluminum surfaces even after being immersed in liquid.
- Did not change the properties of rubber surfaces.
- Did not impact sealants or adhesives on surfaces.
- Paint film hardness and color were not impacted.
- Vinyl: No scratching, color change, or staining.
- Fabric: No color change or staining.
- Carpet: No color change or staining.
- Leather and Naugahyde: No color change, staining, scratching, or brittleness.
- Flash Point Test: No flash point observed to 212 degrees F.
- Polycarbonates (e.g. Lexan): No cracking.



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Thank you for purchasing ClearSpace – Antimicrobial Barrier Treatment. Below are the directions for use.

Precautionary Gear Required:

- Eye Goggles
- Respirator Mask / N95 Mask
- Rubber Gloves

Products/Equipment needed:

- Multi-substrate Cleaner
- Microfiber Cloths
- Fine Mist Sprayer (for Fabric or Carpet)

Directions for use:

1. Clean the surfaces using Multi-substrate Cleaner on a microfiber cloth. Apply product to the cloth and then to the surface
2. Allow to dry or wipe dry using another microfiber cloth
 - a. The surface **MUST** be dry before you move on to #3
3. Apply ClearSpace - PreventX Barrier to a new, dry microfiber cloth and the wet-out surface using a buffing motion.
 - **Leather:** Apply to a microfiber (pouring into the cloth is preferred, do not spray unless wearing protective equipment), apply evenly to all areas, let air dry
 - **Wood:** Apply to a microfiber (pouring into the cloth preferred, do not spray unless wearing protective equipment), apply evenly to all areas, let sit for up to 3 minutes and dry with another dry microfiber
 - **Metal:** Apply to a microfiber (pouring into the cloth preferred, do not spray unless wearing protective equipment), apply evenly to all areas, let air dry
 - **Accessory Products:** Apply to a microfiber (pouring is preferred, do not spray unless wearing protective equipment), apply evenly to all areas, let air dry
 - **DO NOT APPLY to electronics that can be damaged by moisture**
 - **Lavatory areas:** Apply to a microfiber (pouring is preferred, do not spray unless wearing protective equipment), apply evenly to all areas, let air dry
 - **Carpet/Fabric/Ultrasuede:** Using the fine mister, apply evenly to all areas, let air dry
 - *Apply to carpet last as you are exiting the room from back to front using the fine mister and allow to dry for 30 minutes*
 - **Fabric Upholstery:** Using the fine mister, apply evenly to all areas, let air dry
 - **Glass:** Wipe ClearSpace onto the glass and then wipe off before the surface dries. If there is a haze visible, utilize a glass cleaner (it will not diminish ClearSpace's effectiveness).

Can also be sprayed electrostatically/fogged into the workspace.

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This space has been treated with ClearSpace powered by PreventX

ClearSpace destroys viruses (COVID-19), bacterial and other micro-organisms on contact and forms a safe, invisible barrier that prohibits recontamination for up to 90 Days

Date of Application _____



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ClearSpace - powered by PreventX Pricing

ClearSpace

Pricing

1+ Quart:	\$ 49.00/quart
1+ Gallons:	\$ 150.00/gallon – packed in 1-gallon containers, or 5-gallon container
10+ Gallons	\$ 140.00/gallon – packed in 5-gallon containers
20+ Gallons:	\$ 135.00/gallon - packed in 5-gallon containers

****One 32-ounce spray bottle will be included with each order.****

Optional Accessories

Pricing

Hudson 4 Gal. Bak-Pak Sprayer	\$ 89.00
32oz Spray Bottle w/nozzle	\$ 6.60 each
“Treated” hang tags	\$ 2.25/sheet (6/sheet – 2 ¾” x 5 ½”)
“Treated” table tents	\$ 1.25/sheet (2/sheet – 4 ¼” x 4”)
“Treated” sign	\$ 0.50/sheet (1/sheet – 8 ½” x 11”)
Microfiber towel	\$ 2.25/towel (12” x 12”)

- Product is sold Ready to Use (RTU)
 - Pricing is based on individual order quantities or a blanket order lasting no longer than 6 months in length.
 - All Pricing is FOB Royersford, PA
 - Accepted Payments: Visa, MasterCard, Discover and AMEX, E-Check or ACH transfers.
 - Net 30 terms can be setup for recurring purchases
 - Sales Tax extra
- 1 quart = 32 Fluid ounces
- 1 gallon = 128 Fluid ounces
- Estimated usage: 32 ounces = 1,000 SF
- Surfaces to be cleaned/disinfected before applying ClearSpace – powered by PreventX barrier.
- Preferred method of application for Furniture, Fixtures & Accessories.
- Wood, laminate, metal & glass, leather, synthetic leather, vinyl, and plastic are applied by hand.
 - Cloth Upholstery, carpet and drapes are applied using a spray bottle.



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