



NewEraSOS
Scientific Optimal Solutions

Presents **PreventX 24/7™** Antimicrobial

PreventX 24/7™

As you may have already heard, additional efforts have been approved by **Enter School Name** to protect surfaces throughout the property. In addition to the school's cleaning and disinfecting protocols, they have elected to utilize PreventX 24/7™ as a long-lasting surface protectant to give extended surface protection between cleaning and disinfecting events.

What does this mean?

When surfaces are properly disinfected, microorganisms are killed on contact. The challenge is, what happens between disinfecting sessions? Once a disinfectant has dried on the surface it is no longer effective. So, what do you do?

Use PreventX 24/7™ to work hand in hand with Cleaning and Disinfecting

PreventX 24/7™ is not a disinfectant, it is a registered antimicrobial (EPA Reg. No. 91116-1); it works hand in hand with disinfectants and is the missing piece of the puzzle. The two work together better than either one can do on their own. PreventX 24/7™ is extremely durable and remains on both hard and soft surfaces to control the growth of microorganisms (odor causing bacteria, mold, mildew, fungus and algae).

The compound in PreventX 24/7™ is safe to humans and is non-toxic, non-leaching, and non-hazardous. Please reference the back of this sheet for our environmentally friendly document, which was taken directly from an EPA published document with regard to registered bacteriostatics.

We recommend bringing home the surface protectant being utilized at **School Name** so that all families can collectively make efforts to maintain healthy surface environments at home while giving back to **School Name**.

A single 32-ounce bottle of PreventX 24/7™ will treat approximately 2,000sq ft of surfaces throughout your home. Treat your high touchpoints (handles, light switches, countertops, bathrooms) monthly, and your low touchpoints (vertical surfaces, chair legs, surfaces used intermittently) quarterly.

Please visit us at www.newerasos.com to learn more about this unique technology.

At checkout, enter "**School Name**" in the **notes section** and we will give **10%** of the purchase amount to **School Name**. Have the peace of mind that you are protecting your surfaces at home while helping **School Name** and your school community.



The following summarizes the document published in September of 2007 by the EPA with regards to their review of available data on the trimethoxysilyl and trihydroxysilyl quats.

- The Agency believes there is reasonable certainty of no harm resulting from exposure to the trimethoxysilyl quats as an active ingredient to the general population and to infants and children in particular. This is based on the existing toxicity data which supports the finding that these products did not elicit a toxic response when administered to laboratory animals at the limit dose level. In addition, in conducting a human health hazard assessment, the Agency found that there were no endpoints of concern for the oral and dermal routes of exposure.
- The Agency believes that the trimethoxysilyl quats have minimal potential to cause human health or environmental risks and has determined that a qualitative approach to assessing human health and ecological risks from exposure to the trimethoxysilyl quats is appropriate.
- There are no concerns for carcinogenicity for the trimethoxysilyl quats based on the results of the mutagenicity studies and the lack of any systemic toxicity being observed in the toxicity database.
- The FQPA Safety Factor (as required by the Food Quality Protection Act of 1996) is intended to provide an additional 10-fold safety factor (10X) to protect for special sensitivity in infants and children to specific pesticide residues in food, drinking water, residential exposures, or to compensate for an incomplete database. The FQPA Safety Factor has been reduced to 3X based on: (1) the potential for significant contact of infants and children through the proposed homeowner uses for this active ingredient and (2) no evidence of increased susceptibility in the prenatal developmental study in rats nor is there evidence of neurotoxicity to the offspring. It should be pointed out that at this time, there are no risks of concern which would require the use of a FQPA safety factor.
- Aggregate exposure will typically include exposures from food, drinking water, residential uses of a pesticide and other non-occupational sources of exposure. Residential exposure to the trimethoxysilyl quats is likely; however, there are no toxicological endpoints of concern. An aggregate risk assessment was therefore not conducted for this chemical.
- The occupational exposure assessment for the trimethoxysilyl quats addresses potential exposures and risks to humans who may be exposed in "occupational settings." An occupational risk assessment is required for an active ingredient if certain toxicological criteria are triggered and there is potential exposure to handlers (mixers, loaders, applicators, etc.) during use or to persons entering treated sites after application is complete. For the trimethoxysilyl quats there is potential for exposure; however, there are no toxicological endpoints of concern according to a review of the available toxicity data.
- EPA consulted the following sources of information for human poisoning incidents related to the trimethoxysilyl quats: (1) OPP Incident Data System (IDS), (2) California Department of Pesticide Regulation (1982-2004) and (3) National Pesticide Information Center (NPIC). There were no human incidents reported for the trimethoxysilyl quats in these data bases.

Directions for Application of PreventX 24/7™ Antimicrobial

PreventX 24/7™ is not a disinfectant. Continue with current cleaning and disinfecting protocols.

Application Procedures (Post near entry door):

- 1. **Perform Maintenance Treatments (MT) every month or more often depending on surface use.** Maintenance treatments should target high touch surfaces and surfaces that are shared often or where there is possibility for cross-contamination. (Horizontal surfaces, shared surfaces, door handles, restroom touch points, office touch points, workstations, electronics, phones, remotes, keypads, push-buttons, etc.)
- 2. Note "MT" on form below and date after performing Maintenance Treatment.
- 3. Safe for use on both hard and soft surfaces. Do not use on surfaces where food regularly contacts the surface during food preparation (cutting boards, slicers, utensils, glassware, pot-stocks, etc.)
- 4. Using a fine-mist spray system or 32-ounce bottle of PreventX 24/7™, simply spray onto surface and let dry. Using moist cloth, wipe away any visible spotting, drips or runs. When using around electronics (keyboards, mice, monitors), wet a cloth with PreventX 24/7™ (spray onto cloth or submerge cloth) then wipe down surface.
- 5. A dilution ratio of 1:2 (1-part PreventX 24/7™ and 1-part water) can be used for Maintenance Treatments.
- 6. Surface is ready for use once product has dried on the surface (5-20minutes is typical)
- 7. **Apply to all surfaces Quarterly.** We recommend that a service company or custodial staff perform this quarterly service utilizing a fine-mist spray system. Have staff or service company note "QT" on form below after Quarterly Treatment. PreventX 24/7™ shall not be diluted for Quarterly Treatments.
- 8. A safety data sheet shall be maintained at the property and be available to anyone using PreventX 24/7™.
- 9. Refer to label or SOP's for more information on Quarterly and Maintenance Treatments.

Maintenance (MT) or Quarterly Treatment (QT)	Date of Application	Maintenance (MT) or Quarterly Treatment (QT)	Date of Application

Quarterly Treatments of PreventX 24/7™

Application Frequency:

1. We recommend all targeted surfaces be treated quarterly using PreventX 24/7™ at full strength. Reference our SOP for maintenance treatments performed monthly or as needed based on surface use.
2. Product is extremely durable but can be removed by abrasion so your quarterly treatment could be more often depending on the surface use and high abrasion locations.
3. Pro Tip: If you feel the finish on the surface may have been removed, it is likely PreventX 24/7™ has been removed with it.

Where to Use:

1. Use on hard and soft surfaces. Do not use on food-contact surfaces such as utensils, cutting boards, slicers, pot-stocks and surfaces that food regularly contacts during preparation.
2. Targeted Surfaces: All surfaces where there is shared surface use or potential for surface contamination as a result of the use of surface.
3. Examples of targeted surfaces: All high touch point surfaces, vertical surfaces, floors, walls, ceiling, high reach areas, baseboards, underside of tables, surfaces used infrequently, etc.

Supplies Needed:

1. PreventX 24/7™ – 1-gal containers and above or 32oz bottles with trigger sprayers.
2. Fine-mist handheld or backpack sprayer with a nozzle micron size of 40 or less.
3. Microfiber cloth is recommended to wipe off any excess drips and runs that is visible after treatment
4. PreventX SCT or a cleaner to wipe down surfaces that were not properly cleaned.

Preparing the surface:

1. Ensure that the surface is clean and free from debris, oils, grease and organic material.
2. We recommend the use of our PreventX SCT to clean the surface to ensure maximum adhesion to the surface.
3. If using soap/water or any other cleaner and/or disinfectant prior to application, allow surface to dry prior to applying PreventX 24/7™.

Application of PreventX 24/7™:

1. Follow manufacturer's instructions with regards to operation and maintenance whenever using fine-mist spray systems.
2. When using trigger sprayers or fine-mist spray units, apply directly to surface to ensure that entire surface is covered/wetted during application.
3. When treating around any electronics, apply directly to cloth and wipe onto surface.
4. Allow the surface to air dry in temperatures up to 320° until it is dry to the touch.
5. Using a moist cloth to wipe any excess product which is visible (ie. drips, runs, spotting, etc.)
6. Treated surface is ready for use when surface is dry to the touch.
7. Pro Tip: Regular cleaning and disinfecting will NOT remove the PreventX 24/7™ surface finish.
8. Remove children and pets from treated area until completely dry.
9. Test for staining and colorfastness of fabrics and carpets by treating and drying a small concealed area prior to application.
10. Coarser substrates and textiles may require additional PreventX 24/7™ due to absorption.

Maintenance Treatments

Application Frequency:

1. We recommend maintenance treatments (hi-touch points, other targeted surfaces) monthly or more often based on surface use using PreventX 24/7™ at a dilution ratio of 1:2.
2. The Product is extremely durable, but can be removed by abrasion, so base your maintenance treatment frequency on the surface use and high abrasion locations.
3. Pro Tip: If you feel the finish of the surface may have been removed, it is likely PreventX 24/7™ has been removed with it. Reapply to provide coverage over those areas.

Where to Use:

1. Use on hard and soft surfaces.
2. Typical maintenance treatment surfaces include, but are not limited to: Door knobs and handles, desks, countertops, tables, condiment holders, salt & pepper shakers, pencil sharpeners, faucet handles, light switches, computer keyboards, mice, telephones, remotes, appliances, steering wheels, keys, fob's, railing, chairs, athletic equipment, toys, bus seats and railings, lamps, tray tables, bedside tables, blood-pressure cuffs, bed rails, toilets, game controllers, vertical surfaces like walls, desk sides, chair legs, etc.
3. Do not use on food-contact surfaces such as utensils, cutting boards, slicers, pot-stocks and surfaces that food regularly contacts during preparation.

Supplies Needed:

1. PreventX 24/7™ – 32oz bottle with standard trigger sprayer or a fine-mist sprayer.
2. Fine-mist handheld or backpack sprayer with a nozzle micron size of 40 or less.
3. Microfiber cloth is recommended to wipe off any excess drips and runs that is visible after treatment
4. PreventX SCT or a cleaner to wipe down surfaces that were not properly cleaned.

PreventX 24/7™ – Diluting:

1. PreventX 24/7™ can be diluted at a dilution ratio of 1:2. Combine 1-part concentrate and 1-part water to make a ready to use solution for maintenance treatments. For example, fill a 32oz bottle with water so that 1/2 of bottle remains empty. Add PreventX 24/7™ until bottle is almost full and gently mix to combine.

Surface Preparation:

1. Ensure that the surface is clean and free from debris, oils, grease and organic material.
2. We recommend the use of our *PreventX SCT* to clean the surface to ensure maximum adhesion to the surface.
3. If using soap/water or any other cleaner and/or disinfectant prior to application, allow surface to dry prior to applying PreventX 24/7™.

Application of PreventX 24/7™:

1. Apply PreventX 24/7™ evenly over the surface being treated to ensure that entire surface is covered/wetted during application. When treating on or near electronics, apply directly to cloth and wipe onto surface.
2. Allow the surface to air dry in temperatures up to 320° until it is dry to the touch. If needed, product can be wiped away after it has been on the surface wet for 5 minutes.
3. Using a micro-fiber cloth, wipe any excess product which are visible (ie. drips, runs, etc.)
4. Treated surface is ready for use when surface is dry to the touch.
5. Pro Tip: Regular cleaning and disinfecting will NOT remove the PreventX 24/7™ surface finish.
6. Remove children and pets from treated area until completely dry.