There is an invisible threat hiding in places where we live, work, and visit every day.
ARE YOU BEING EXPOSED TO INFECTION WITHOUT KNOWING IT?

THE RISK IS REAL.

40,000 people die from a MRSA infection every year in the US.*

In 2009, only 45% of American adults received a seasonal flu vaccine.**
The spreading of germs that cause illnesses, like the common cold and flu to more serious infections like H1N1 and MRSA, is a concern for everyone. Whether transferred directly by skin-to-skin contact, airborne (sneezing, coughing) or indirectly by using contaminated shared objects, the result is a population continually exposed to potentially devastating illnesses without knowing it.

Common cleaning methods are not enough. Traditional cleaners and disinfectants, including household chlorine bleach, are used incorrectly, generate carcinogenic/toxic disinfecting by-products, and have been linked to health problems such as asthma and severe skin and eye irritation. This is why Sanosil S010 was created. Sanosil’s unique formula is an effective alternative to disinfectants being used today for pre-cleaned surfaces. It’s no wipe, no rinse formula kills 99.99% of all bacteria, viruses and fungi, including Rhinovirus (common cold), H1N1 and MRSA. Independent tests endorse the effectiveness of Sanosil against many of the most serious microorganisms.

Learn how adding Sanosil S010 to your infection prevention measures can help eliminate the threat you can’t see and reduce your chances of exposure to infection.

In the US alone, 98,000 patients die every year after contracting a Hospital Acquired Infection (HAI).*

In 2009, 11,000 people died from the H1N1 Swine Flu Pandemic in the US.*

The average workplace desk harbors 400 times more bacteria than the average toilet seat.***

Source: *CDC, **Consumer Reports Health.org, ***Charles Gerba, University of Arizona, “Germs in the Workplace,” 2007
WHAT IS SANOSIL S010?
Sanosil S010 is a patented, ready-to-use surface disinfectant effective in killing 99.99% of bacteria, viruses and fungi found on pre-cleaned surfaces.

Sanosil S010 is:
• Ready-to-Use, no mixing
• EPA Registered (EPA No. 84526-1)
• Simple - no rinse or wipe formula reduces risk of cross contamination associated with using a rag, wipe or sponge
• Kills 99.99% of viruses, bacteria and fungi
• Odorless
• Can be sprayed or fogged
• No known bacterial resistance
• Safe – decomposes into water and oxygen
• Sanosil contains no chlorinated or brominated ingredients
• Effective in hard to reach areas like nooks, crevices and corners
• Prevents the growth and re-occurrence of mold

A Multi-Faceted Killing Mechanism
Sanosil combines hydrogen peroxide and silver synergistically, releasing highly reactive free radicals that immediately begin to attack the cell membrane of the targeted microorganism. These weaken the cell and allow the silver ions to enter. Together, the silver and hydrogen peroxide destroy the microorganism by:
1. Attacking and disrupting the cell membrane.
2. Binding to the enzymes causing denaturation. This incapacitates the energy source of the cell causing rapid death.
3. Binding to the DNA to stop replication.

During the process, hydrogen peroxide decomposes into oxygen gas, which creates a highly toxic environment for anaerobes. This completes the active disinfection process.

Cleaning versus Disinfecting
Cleanliness is the number one problem for controlling the spread of infectious diseases. The typical cleaning measures used today remove only the dirt and grime from a surface, leaving the surface cleaned but not disinfected. Even after a thorough cleaning, quite often germs are left behind on surfaces; the viruses that can cause infection and illness, and the bacteria that cause odors for example. Only by using a dedicated disinfectant can you eliminate the threat you can’t see and Sanosil S010 is an effective alternative for your surface disinfecting needs.
Traditional cleaners and disinfectants, including household chlorine bleach, may generate toxic by-products and exposure to these chemicals has been associated with health problems such as asthma and severe skin and eye irritation.

Sanosil does not contain chlorine, sodium hypochlorite (bleach), alcohol, aldehydes, phenolics, quaternary ammonium compounds (quats), or sodium hydroxide.
SANOSIL can be used for many disinfecting

Children in DAYCARES have a tendency to pick up and spread any number of germs because of congregating in such close proximity and through the sharing of toys, utensils and play areas. There is a legitimate fear of sending a healthy child to daycare and picking him or her up at the end of the day with a cold or worse.

- Play Rooms, Toys • Snack and Napping Areas • Nurse’s Office • Arts and Crafts Area
- Restroom, Sinks and Toilets

GYM cleanliness is vital to members. They expect clubs to be germ-free. Showers, Floors, Locker Rooms, Restrooms and Fitness Equipment are the most common areas for exposure to an infection due to the high-traffic use. This is important because some cold and flu viruses can survive on surfaces for up to 72 hours.

- Saunas, Sinks and Showers • Locker Rooms • Workout Equipment • Exercise Rooms

In ASSISTED CARE FACILITIES, caregivers travel from room to room, interacting with patients and equipment so a thorough disinfection is critical due to the somewhat frail nature of the patients and their immune systems. Typically, housekeeping has only a short window of time to clean before a new patient arrives in a room.

- Patient Rooms and Equipment • Bathrooms • Nurse’s Stations • Activity Rooms

Employees WORK in close proximity with one another sharing space, equipment and tasks. This kind of interaction encourages person-to-person and surface contact to person transmission of bacteria and viruses. How many sick days can your business afford?

- Offices and Conference Rooms • Kitchenettes and Appliances • Elevators • Bathrooms
- Electronics, Desks, Countertops
VETERINARIANS and assistants can see many pets throughout their day potentially exposing them and their other “patients” to many serious diseases. With different breeds and varieties of pets moving through the facility, the high-traffic areas like the reception area, the exam rooms and kennel areas are prime infection transfer locations.

- Reception Desk and Waiting Room • Exam Rooms • Pet Grooming Areas
- Restroom, Sinks and Toilets • Kennels

Over 98,000 patients die each year from infections they acquire after being admitted to a HOSPITAL or other healthcare facility. Because of their size and complexity, hospitals are difficult to properly disinfect. In addition, healthcare workers routinely work with multiple patients over a shift increasing the chances for spreading infections.

- Patient Rooms • Equipment Storage Rooms • Operating Rooms
- Triage and Pre & Post Op • Reception and Waiting Rooms

SCHOOLS AND UNIVERSITIES need to be diligent about responding to the outbreak of illness, while also responding to the pressure from parents and faculty to keep facilities germ free. Students tend to have reduced levels of personal hygiene so the greatest risk of infection comes from surfaces touched by multiple people.

- Athletic Workout and Training Rooms • Lecture Halls • Dorm Rooms

DOCTORS, NURSES AND PHYSICIAN’S ASSISTANTS see multiple patients throughout their day. Not all of their patients show symptoms of an infection at the time of an office visit so it is critical that every step be taken to prevent the spread of infection, from hand washing to the routine cleaning and disinfecting of equipment, and reception and examination rooms.

- Reception Desk • Waiting Rooms • Equipment • Restrooms • Treatment Rooms
**A Sign With A Powerful Message**

The bold SANO-SEALED™ mark tells everyone who sees it that Sanosil S010 Disinfectant is being used with Sanosil’s Halo Fogger to supplement infection prevention measures, like manual cleaning, with unique and powerful room surface disinfection.

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**Wiping Spreads Germs**

Independent studies show that even after thorough wiping with a disinfectant, high levels of residual bacteria can still be found in a room. The problem can be traced back to wiping. Wiping picks up bacteria and viruses and carries them from surface to surface. There is no way to avoid the danger of cross-contamination when wiping is involved.

- Most disinfectants have to be left on surfaces for at least 10 minutes to kill germs ([read the label](#)). People tend to immediately wipe a surface after spraying it. Therefore, the disinfectant is not in contact with the surface long enough to effectively disinfect.
- Anti-bacterial wipes also remove disinfectants from surfaces too quickly to disinfect.
- Sponges have been identified as one of the most contaminated items, harboring millions of bacteria and viruses.
- Anti-bacterial wipes, sponges and rags are all too large to reach into cracks and crevices.
- When using a rag or sponge, there is no way to be sure how much disinfectant is reaching the surface.
- Spraying and wiping is labor intensive and time consuming.

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**SANOSIL S010 SPRAY**

For convenient spot disinfecting of pre-cleaned surfaces

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**NO WIPE. NO RINSE. REDUCES CROSS-CONTAMINATION.**

*Just spray and walk away.*
The Sanosil Halo Fogger is an amazing new delivery technology designed to supplement infection prevention measures, like manual cleaning, with unique and powerful room surface disinfection.

At the push of a button, the Halo dispenses a dry mist of atomized Sanosil S010 into the air. The droplets fill the room and are drawn into every nook, crevice and corner, reaching surfaces that regular cleaning and disinfecting can’t. The Halo assures a homogenous distribution of disinfectant on all surfaces in the room, reducing the risk of cross-contamination of infectious diseases associated with using a rag, wipe or sponge.

Advantages

- The Halo Fogger reduces the risk of cross-contamination associated with using a rag, wipe or sponge
- The Halo is ideal for use in heavily used, large public areas
- Rooms can be reoccupied in as quickly as 90 minutes after treatment*
- Treat rooms up to 10,000 ft³ in size with one unit
- Reach surfaces that regular cleaning and disinfecting can’t
- **Less Labor** - operates automatically: just fill, set time, press start and leave the room.
- **Less Cost** - less than $4 to treat 1,000 cubic feet!

* To ensure occupational health hazard levels are not exceeded, 90 minute re-entry time is for a room size of 1,800 ft³ (50 m³) or smaller. Larger rooms require longer re-entry wait times.

1-Gallon bottles available for refilling the Halo Fogger.
**SANOSIL S010 IS EFFECTIVE AGAINST**:  

<table>
<thead>
<tr>
<th>Test Organism</th>
<th>ID</th>
<th>Kill Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salmonella enterica</td>
<td>ATCC 10708</td>
<td>5 min</td>
</tr>
<tr>
<td>Staphylococcus aureus</td>
<td>ATCC 6538</td>
<td>5 min</td>
</tr>
<tr>
<td>Staphylococcus aureus – MRSA</td>
<td>ATCC 33592</td>
<td>5 min</td>
</tr>
<tr>
<td>Staphylococcus aureus &amp; Enterobacter aerogenes</td>
<td>ATCC 13048</td>
<td>5 min</td>
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</table>

**Bacteria**

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<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Pseudomonas aeruginosa</td>
<td>ATCC 15442</td>
<td>10 min</td>
</tr>
<tr>
<td>Staphylococcus aureus</td>
<td>ATCC 6538</td>
<td>10 min</td>
</tr>
<tr>
<td>Salmonella enterica</td>
<td>ATCC 10708</td>
<td>10 min</td>
</tr>
<tr>
<td>Staphylococcus aureus – MRSA</td>
<td>ATCC 33592</td>
<td>10 min</td>
</tr>
<tr>
<td>Enterobacter aerogenes</td>
<td>ATCC 13048</td>
<td>10 min</td>
</tr>
<tr>
<td>Escherichia coli</td>
<td>ATCC 11229</td>
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**Sulfate Reducing Bacteria**

<table>
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<tr>
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**Viruses**

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<tr>
<th></th>
<th>ID</th>
<th>Kill Time</th>
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<tbody>
<tr>
<td>Human Immunodeficiency Virus type 1 (HIV-1)</td>
<td>Strain HTLV IIIB</td>
<td>10 min</td>
</tr>
<tr>
<td>Influenza A virus Hong Kong (flu virus)</td>
<td>ATCC VR-544</td>
<td>10 min</td>
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<tr>
<td>Avian Influenza A (H5N1) virus (flu virus)</td>
<td>Strain VNHSN1</td>
<td>10 min</td>
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<tr>
<td>Rhinovirus type 37</td>
<td>ATCC VR-1147</td>
<td>10 min</td>
</tr>
<tr>
<td>Swine Influenza A (H1N1)</td>
<td>ATCC VR-333</td>
<td>10 min</td>
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</table>

**Fungi**

<table>
<thead>
<tr>
<th></th>
<th>ID</th>
<th>Kill Time</th>
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<tbody>
<tr>
<td>Trichophyton mentagrophytes</td>
<td>ATCC 9533</td>
<td>10 min</td>
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</table>

*EPA registered claims summary at time of printing. Subject to change.*
A PLAN FOR THE FUTURE

Protect your employees and family beyond a flu shot, all year long.

Promote your business to be Sano-Sealed to attract and retain customers.

Reduce the impact of the next pandemic on your business.

Sanosil S010 Disinfectant and the Halo Fogger deliver the ability to kill the invisible threat and reduce your risk of exposure to infections, while providing an improved state of health for your facility. Sanosil is easy to apply: just spray and walk away, or press start to easily fog a room with the Halo Fogger. Sanosil provides an effective alternative to the harmful disinfectants being used today.

The risk is real. And so is the solution. Sanosil.