

HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1) INFLUENZA A VIRUS HONG KONG (FLU VIRUS S) AVIAN INFLUENZA A (H5N1) VIRUS (FLU VIRUS) RHINOVIRUS TYPE 37 SWINE INFLUENZA A (H1N1) PSEUDOMONAS AERUGINOSA STAPHYLOCOCCUS AUREUS SALMONELLA ENTERICA STAPHYLOCOCCUS AUREUS MRSA ESCHERICHIA COLI SULFATE REDUCING BACTERIA TRICHOPHY

There is an invisible threat hiding in places where we live, work, and visit every day.



Surface Disinfection & Infectious Disease Control



ARE YOU BEING EXPOSED TO
INFECTION WITHOUT KNOWING IT?

THE RISK IS REAL.

MRSA, Pandemic H1N1, Avian Influenza

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

WHY YOU SHOULD

*In 2009, only 45% of American adults received a seasonal flu vaccine.***



An invisible threat is hiding in the places

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 a safer alternative to disinfectants being used today. It's no rinse, no wipe 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.



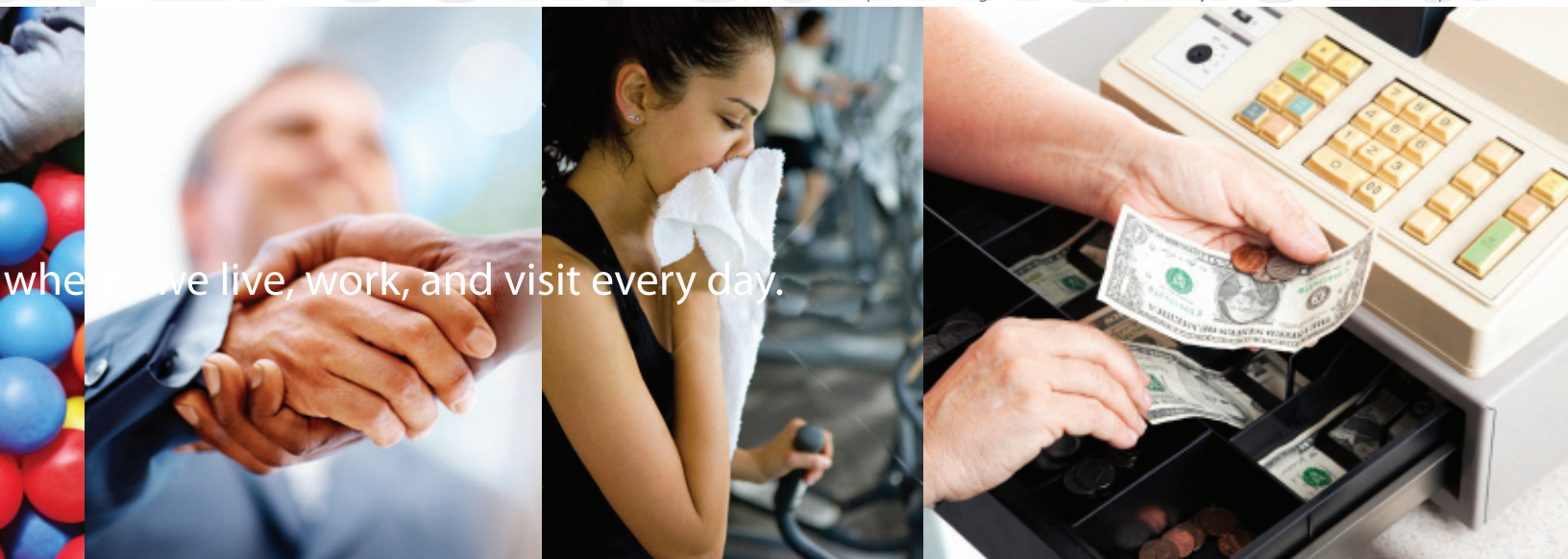
*In the US alone, 98,000 patients die every year after contracting a Hospital Acquired Infection (HAI).**

*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

BE CONCERNED:
viral Outbreak,
a. E. Coli, Salmonella



where we live, work, and visit every day.

WHAT IS SANOSIL S010?

Sanosil S010 is a patented, safer and more effective alternative disinfectant that kills 99.99% of bacteria, viruses and fungi found on surfaces, without posing a threat to *your* health.

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, oxygen and non-toxic silver complexes
- Effective in hard to reach areas like nooks, crevices and corners



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.

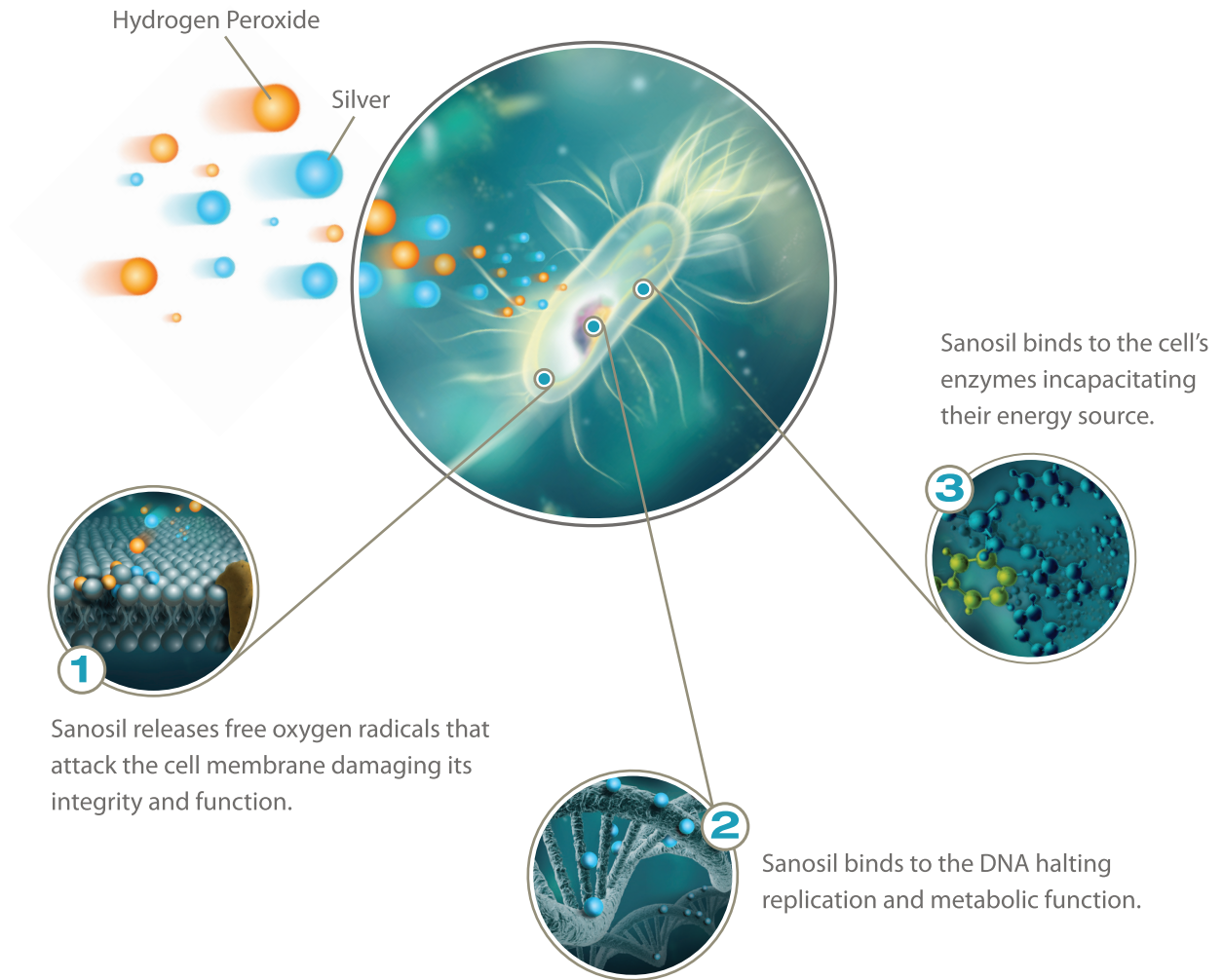
During the process, hydrogen peroxide decomposes into oxygen gas, which creates a highly toxic environment for anaerobes. This completes the active disinfection process.

When used on surfaces, Sanosil Disinfectant requires no rinsing. Sanosil itself decomposes into water, oxygen and non-toxic silver complexes. This means it poses no threat to your health or the health of the environment.

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 the preferred choice for a safer and more effective alternative for supplemental surface disinfecting.

HOW SANOSIL WORKS



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.

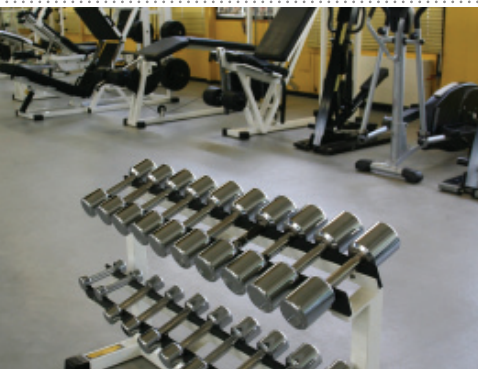
Sanosil does not contain chlorine, sodium hypochlorite (bleach), alcohol, aldehydes, phenolics, quaternary ammonium compounds (quats), or sodium hydroxide.

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**, care givers 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*

applications including:

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*



SANOSIL S010 SPRAY

For convenient spot surface disinfecting

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.



NO WIPE. NO RINSE.
REDUCES CROSS-CONTAMINATION.

Just spray and walk away.



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 safe and powerful surface disinfecting.

SANOSIL HALO FOGGER

Delivering effective supplemental room disinfection

The Sanosil Halo Fogger is an amazing new delivery technology designed to supplement infection prevention measures, like manual cleaning, with safe and powerful 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 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*
- **More convenient** - treat rooms up to 10,000 ft³/m³ in size with one unit
- **More effective** - reaches surfaces that traditional cleaning methods 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!



1-Gallon bottles available for refilling the Halo Fogger

* 90 minute re-entry for room size of 1,800 ft³ (50 m³) or smaller. Larger rooms require longer re-entry wait times.

SANOSIL S010 IS EFFECTIVE AGAINST*:

<i>Test Organism</i>	<i>ID</i>	<i>Kill Time</i>
Salmonella enterica	ATCC 10708	5 min
Staphylococcus aureus	ATCC 6538	5 min
Staphylococcus aureus – MRSA	ATCC 33592	5 min
Staphylococcus aureus & Enterobacter aerogenes	ATCC 13048	5 min
Bacteria		
Pseudomonas aeruginosa	ATCC 15442	10 min
Staphylococcus aureus	ATCC 6538	10 min
Salmonella enterica	ATCC 10708	10 min
Staphylococcus aureus – MRSA	ATCC 33592	10 min
Enterobacter aerogenes	ATCC 13048	10 min
Escherichia coli	ATCC 11229	10 min
Sulfate Reducing Bacteria		
Viruses		
Human Immunodeficiency Virus type 1 (HIV-1)	Strain HTLV IIIB	10 min
Influenza A virus Hong Kong (flu virus)	ATCC VR-544	10 min
Avian Influenza A (H5N1) virus (flu virus)	Strain VNH5N1	10 min
Rhinovirus type 37	ATCC VR-1147	10 min
Swine Influenza A (H1N1)	ATCC VR-333	10 min
Fungi		
Trichophyton mentagrophytes	ATCC 9533	10 min

* 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 a safer and effective alternative to the harmful disinfectants that are being used today.

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


Sanosil®

For more information, please contact


MED EFFECT
INCORPORATED

(800)-472-5605

 **Sanosil**® | **AUTHORIZED RESELLER**
Surface Disinfection Products

Is your space
SANO-SEALED?

