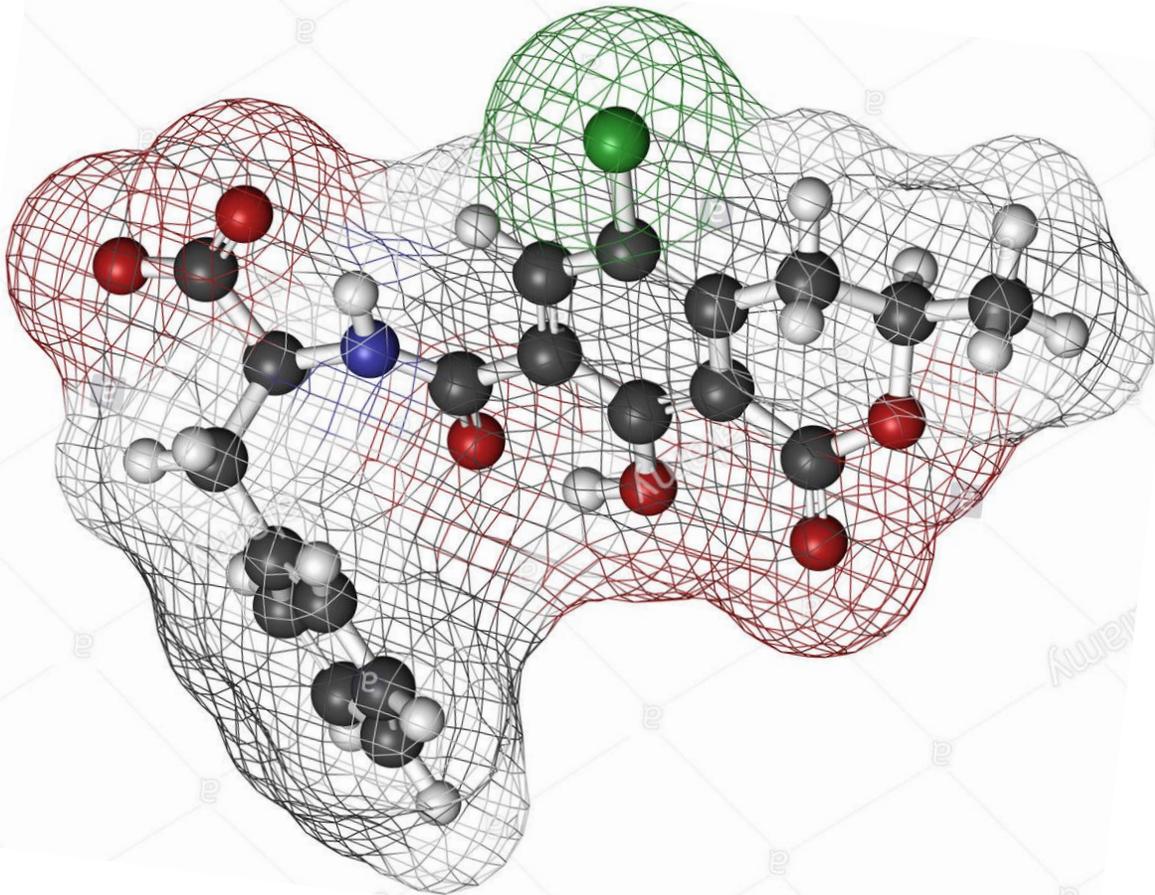


Good Housekeeping's

# Decontamination Service

High Level Disinfection

6 log reduction - 99.9999%





**Good Housekeeping Inc.**  
GoodHousekeepingInc.com  
650-573-1923

**Thank you for your interest in Good Housekeeping's High Level Disinfection  
6 log reduction process**

### **The Most Effective Approach to High Level Disinfection:**

Our approach to indoor bio-toxin decontamination is the most effective, efficient, and safe way to eliminate bio-toxins from your home, office, vehicles, and all of your contents. Our process is designed to eliminate the toxins that are unseen and not addressed by other remediation companies. We understand that those who are immune compromised need cleaning, disinfection, and protection on a much deeper level. On a microscopic level.

Our proprietary, laboratory tested decontamination process will neutralize mycotoxins, mold, mold spores, bacterial spores, viruses, endotoxins, VOC's, and allergens such as dust mites, pollen, animal dander, and rodent / insect allergens and droppings. Our research has found that very few remediation companies will claim the ability to deactivate mycotoxins, fungal allergens, bacterial spores, endotoxins, or VOC's in an infected structure, **without removing and disposing of all the contaminated building materials and furnishings.**

When mold, mycotoxins, and fungal allergens have been introduced into an indoor environment, they do not just stay in the area that the mold was located. The spores generally will be everywhere in the structure. They will be in most rooms, in the air duct system, in porous furniture and foam, on non-porous surfaces, clothing, and on most other interior contents.

Typically, other remediation companies can eliminate **some** of the indoor toxins but antiquated remediation protocols fall short of eliminating enough toxins in a home and do not properly deal with hidden or imbedded mycotoxins, mold, mold spores, bacteria, endotoxins, VOC's such as formaldehyde, and other inflamagens and toxins found in water damaged buildings. Mold sensitized or immune compromised individuals cannot afford to have unhealthy amounts of, or even worse, **combinations** of these toxins in their home.

### **Why our BioClean decontamination process is the best:**

- **Chlorine Dioxide (Clo2) Fumigation Treatment**

Our BioClean fumigation technology allows for a complete decontamination of your home or facility, with minimal equipment and minimal downtime. Our BioClean chlorine dioxide gaseous high level disinfection system is **the only process** that provides the ability to achieve a complete distribution and thorough penetration to each and every surface within your home or facility, including, invisible, microscopic cracks and crevices.

- **High Level Disinfection 99.9999%**

Chlorine Dioxide gas is US EPA registered as a “sterilant” able to kill **all** viruses, bacteria, fungi, spores, mycotoxins, endotoxins, and exotoxins. It is one of the 5 methods used in the medical industry to completely “sterilize” medical equipment that is going to be reused. The particle size of our active fumigation gas is almost as small as an oxygen molecule.

Because it is so small, it has the ability to literally penetrate into carpet, drapes, upholstered furniture, paper, unfinished wood, clothing, drawers, closets, and any other hard to reach, porous or semi porous materials. Because it is smaller than any known indoor contaminant, it can go anywhere the smallest microbe or toxin can go. Electrical equipment like computers, TV's, refrigerators, washers and dryers will attract microbes in the dust that is commonly found inside of these items around the electrical components. Our decontamination process reaches these areas. Chlorine dioxide is safe on materials and leaves no post treatment residuals. Our system provides the ability to achieve complete high level disinfection, something other methods and agents such as **vapors, mists, and fogs cannot do**. Another advantage of using chlorine dioxide in our process is its unique ability to penetrate biofilm. Mold and bacteria can create its own protective film barrier called biofilm around a colony of microbes so it can grow less inhibited by exterior influences or disinfectants. Clo2 is one of the few disinfectants that will penetrate and destroy the matrix of biofilm and disinfect the microbes below.

- **Air Ducts / HVAC System Decontamination**

The HVAC system duct work in the home are a main distribution route in which cross contamination occurs as microbes are deposited throughout the structure through the duct work into other areas. Our process will also treat the entire HVAC system and all of the duct work. The small size of the Clo2 gas molecule will penetrate every microscopic crack and crevasse. Short of removing and replacing your entire air system, our process is the most effective at decontaminating all of the air system's components.

- **Contents Decontamination**

The significance of being able to effectively decontaminate all of the contents in your home, along with the structure itself, is a very important part of decontaminating your home for good health. A large percentage of surfaces in your home are made up of the contents placed in the structure. Many of the contents in a home are porous and semi porous material that can be impossible for other methods to decontaminate. Again, because of the very small size and strength of the Clo2 gas molecule, upholstered furniture, mattresses, carpet, drapes, paper, and any other porous surface can effectively be decontaminated without disposing of the items in many cases.

- **Attics and Crawlspace**

Our philosophy in proper decontamination involves a whole home approach. Attic and crawlspaces can be a main source location for many toxins and allergens. In homes with crawlspaces, air is regularly passing from the crawlspace up into the home through walls and small gaps called “stacking”. Currently your options are few and very expensive to decontaminate these areas properly and effectively. Our fumigation process is perfect for this job. All of the wood, concrete, soil surface, and insulation in a crawlspace or attic can be effectively decontaminated.

- **A little More About Chlorine Dioxide**

Clo<sub>2</sub> can be produced in a liquid or a true gas. Although chlorine dioxide has *chlorine* in its name, the only similarity to chlorine bleach or sodium hypochlorite is in name only. An example of this difference is that of elemental carbon and carbon dioxide. Both have a carbon molecule but are completely different elements. Chlorine dioxide functions differently than bleach and other disinfectants in that they will leach poison into the organism to disrupt the cell function resulting in cell inactivation. Chlorine dioxide will “physically” destroy the organism through oxidation. There is no poisoning involved. This physical destruction mode of disinfection does not allow organisms to become immune to our solution as occurs with other disinfectants. Chlorine dioxide has been recognized as a disinfectant since the early 1900’s and approved by the US EPA and the FDA for many sensitive disinfection applications. Currently, about 10% of the world’s municipal water supplies are disinfected with chlorine dioxide. One of the reasons chlorine dioxide is so effective in the disinfection of a water damaged or wet building is that Clo<sub>2</sub> will penetrate water without any loss of efficacy. If a building has wet materials the water will not inhibit the disinfection process as it will with ALL other solutions.

The allergies symptoms one experiences from cat, dog, bird, rodent, dust mite, pollen, and mold spore are all “protein” based. Our Clo<sub>2</sub> fumigation process will easily and effectively oxidize and eliminate all of these allergen proteins in your home.

- **Safety**

Clo<sub>2</sub> is self neutralizing. It will dissipate with exposure to oxygen and heat very rapidly. Within minutes of stopping our process, the building is clear of ALL Clo<sub>2</sub> gas with no residue left on the surfaces. One of the first uses of Clo<sub>2</sub> gas in the medical industry was to disinfect contact lenses proving it does not leave a residual behind. It is now approved for “sterilizing” reusable medical equipment, to the application on fruits, vegetables, and meats, to eliminate bacteria, mold, and mycotoxins before packaging and going to market. In this application, because it is so safe to humans, the FDA has approved it as a “food additive” safe for applications on food with no post treatment rinsing required. Chlorine dioxide is safe on materials and leaves no post treatment residuals. Our system provides the ability to achieve complete high level disinfection something other agents such as vapors, mists, and fogs cannot do. It is safe on delicate materials, fabrics, and paper, as well as safe for sensitive electronics and computers.

Clo<sub>2</sub> is also used for human and animal burn and wound area disinfection, in mouthwashes, and in toothpastes. It is also used to disinfect about 10% of the world’s municipal water supplies.

- **Saves You Money**

Typically when you hire a remediation company they will concentrate on the areas of known contamination. They also may filter the air with air scrubbers and fog or spray a disinfectant throughout the rest of the home. In reality, if there is a mold problem, the spores and mycotoxins will have spread throughout the structure. If the entire structure is not treated properly, and if there is someone in the building that has health issues or a compromised immune system, the typical remediation protocol is not sufficient for good health. Until now, in these sensitive situations, the recommendation is to dispose of all furniture and belongings that are porous and semi porous. This means that any furniture that has fabric or foam, carpet, rugs, drapes, and some clothing need to be thrown out. Trying to clean these items will help, but falls short because of the limitations and reach of typical cleaning methods. Because our process uses a gas, it will effectively penetrate and disinfect these items and small difficult to clean, intricate and fragile items as well.

Many times, mold is located inside of wall cavities or under and behind cabinets. You don't have to tear out walls or cabinets unless they are physically damaged by water. Many times we can treat inside these areas without the removal of building materials. That will save a lot of money, time, and the inconvenience of demolition, and the rebuild.

- **Easy for our clients**

Our method is easy for our clients and can usually be completed in 1 to 2 days as opposed to weeks of demolition, reconstruction, and noise that every other remediation company will prescribe. We do all of the preparation so there is almost nothing you need to do to prepare your home before having it treated.

- **99.9999% disinfection on every treatment - 6 log reduction!**

Our method of assuring a high level disinfection is modeled after the medical industries "gold standard" process for **STERILIZING reusable** medical equipment. The confirmation of sterilization method used assures the user of complete sterilization of the items being treated. That means no microbial life of any kind will remain. With the development of our BioClean process and this testing confirmation process, we have been able to bring TRUE high level disinfection to large areas such as homes and businesses and be able to prove it. No other company can do what we can do.

If you have questions, or would like to schedule an in-home evaluation, please call us at:

**650-573-1923**

GoodHousekeepingInc.com  
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## The Healthy Home System

### Continuous Protection after Treatment

Our Healthy Home System is a “done for you” maintenance service that will continuously and effectively maintain high quality indoor air to breath and safer surfaces to touch. Every 3 months we treat your home with the following steps to insure the cleanest possible indoor environment.

#### Air Filtration:

Using the power of your home’s air system, and its ability to exchange all of the air in your home 4 to 10 times per hour, we install our custom made, proprietary, triple action air filters in your homes air system. Your new air filters are better then HEPA f filtration, removing air particles as small as .01 microns! Your new filters have 3 different filter layers that capture large air particles, ultra-fine air particles, gases, and odors. It will even capture particles as small as a virus. Each filter has 2 rubber gaskets on the outer edge so air cannot pass around it.

#### Air Purification:

Installed in your HVAC system is a component that sanitizes the already filtered air as it enters your air system and creates “Active Air”. The now “active air” that comes out of your air ducts has the ability to eliminate new allergens, germs, and mold spores that will be floating around as they re-enter your home in the usual ways. This part of the system is also effective at continuous odor control.

#### Surfaces & Contents Purification:

ALL surfaces and contents of your home are purified with our “Green” hospital grade disinfectant. This “self neutralizing” disinfectant does not poison micro-organisms like most other disinfectants, but oxidizes , or **physically** destroys them making it completely safe for people, pets, and the environment. This step will also neutralize new dust mites, pollen, pet dander, bacteria, virus, mold spores, and VOC’s.

#### Protective Shield:

A long lasting antimicrobial protective shield is electrostatically applied to ALL surfaces and contents. This proactive step **continuously** eliminates microorganisms that we cannot see such as allergens, bacteria, and mold. Other antimicrobials only work for a few minutes while they are still wet. Our protective shield works for you night and day continuously for 3 months. There is no “poisoning” involved but physically destroys microbes and is considered not toxic by the FDA and the EPA , safe for people, pets, and the environment.

#### Laundry & Interim Cleaner / Disinfectant / Deodorizer:

The temperature of the water in your washing machine is not hot enough to eliminate mold spores, bacteria, or viruses. It can only physically rinse away some microbes. Using our supplied laundry additive will truly disinfect and deodorize your linens and clothing. Use the same solution to clean and disinfect bathrooms, kitchens, shoes, gym bags, and an thing else you want to be sanitized and odor free.

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