

The background of the entire page is a photograph of a large, multi-story hotel building at dusk or night. The building is illuminated with warm yellow lights, and its lights are reflected in a body of water in the foreground. The building has a curved facade and many windows. In the foreground, there is a blue semi-transparent rectangular box containing the main title text.

Safrax[®] Chlorine Dioxide for the Hotel & Resort Industry

SAFRAX® CHLORINE DIOXIDE IS THE MOST VERSATILE AND EFFECTIVE TOOL IN THE HOTEL INDUSTRY



With a wide range of applications and benefits, Safrax® chlorine dioxide is the **most powerful disinfectant** that can be used to **sanitize water supply, disinfect rooms and common areas, sanitize laundry, clean and deodorize surfaces, and prevent the growth of Legionella** bacteria.

Safrax® chlorine dioxide helps maintain a high standard of cleanliness and hygiene in hotels, reducing the risk of infectious diseases and other health issues. It can also help eliminate unpleasant odors. Additionally, using chlorine dioxide can help hotels meet regulatory requirements and maintain a positive reputation among guests.

By using Safrax® chlorine dioxide, hotels can help ensure the health and safety of their guests and staff, while providing a pleasant and comfortable environment for all.

Common Area & Room Disinfection



Safrax® chlorine dioxide is a highly effective disinfectant used to sanitize hotel common areas & rooms to maintain a high standard of cleanliness and hygiene.

It helps eliminate bacteria, viruses, and other harmful microorganisms that can spread disease and cause illness.

This ensures that hotel guests are not exposed to any harmful pathogens and can stay in a clean and safe environment.

Rapid Action: Chlorine dioxide works quickly and can destroy microorganisms in a matter of seconds, making it a great option for fast-paced hotel environments.

Common Area & Room Disinfection

Broad-Spectrum Effectiveness: An all-in-one sanitizer that effectively kills a wide range of harmful microorganisms, including bacteria, viruses, and fungi.

All-In-One Sanitizer

Simply Add Tablets to Water to generate desired concentration for application requirements. Apply liquid into the atmosphere and onto all surfaces with a mop, sponge, sprayer or non-thermal fogger.

- **Add 1 tablet to 32oz (1 liter) of water = 100 PPM Broad-Spectrum Disinfectant.**



ECO-FRIENDLY

When used at 100 PPM with a 5 minute dwell time, kills E-Coli, Salmonella, Pseudomonas aeruginosa, Staphylococcus aureus, Klebsiella pneumonia, etc.

- **Add 5 tablets to 32oz (1 liter) of water = 500 PPM Virucide.**

When used at >400 PPM with a 1 minute dwell time, kills Rotavirus (ATCC VR-2018), Coronavirus (SARS-CoV-2), etc.

Shelf life of liquid solution is about 30 days if kept away from sunlight.

(Up to a few months when stored in the fridge).

Store the chlorine dioxide solution in a cool, dry place away from direct sunlight and heat sources.

Common Area & Room Disinfection

- **Surface Disinfection**

- *Spray at 100 to 500 PPM*



- **Floor Disinfection**

- *From 25 to 100 PPM*



- **Bathroom Area**

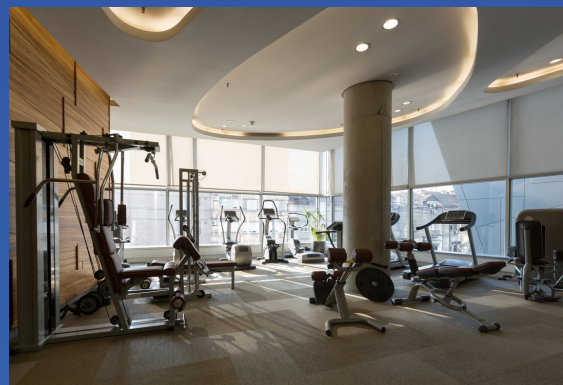
- *Spray at 500 PPM*

Helps remove odors caused by mold & mildew



- **Gym Area**

- *Spray at 100 PPM*



Food Preparation Areas



Safrax® chlorine dioxide is the ideal solution for sanitizing surfaces and equipment in food processing areas, kitchens, and restaurants, helping to prevent the spread of foodborne illnesses.

Safrax® chlorine dioxide does not produce harmful by-products, such as chloramines, which can affect the taste and odor of food. It has a short contact time and breaks down into harmless by-products, making it an environmentally friendly option for food service and restaurant sanitation.

Safrax® chlorine dioxide does not react with ammonia or other cleaners and detergents. It is water soluble and is non-corrosive to equipment and surfaces.

Food Preparation Areas

● Surface Disinfection

- *Spray at
100 to 500 PPM*



NO RINSE REQUIRED

Air dries without leaving any residue.

Non-carcinogenic: Can come safely into contact with food as a wash and as a food surface sanitizer.

It is safe to use chlorine dioxide on raw foods and food contact surfaces, common kitchen equipment, containers and water systems.

Chlorine dioxide is EPA, and FDA approved for soft (porous) and hard (nonporous) surfaces.

● Floor Disinfection

- *From
25 to 100 PPM*

- In addition to its disinfectant properties, chlorine dioxide controls **Odors, Insects** and **Rodents**.

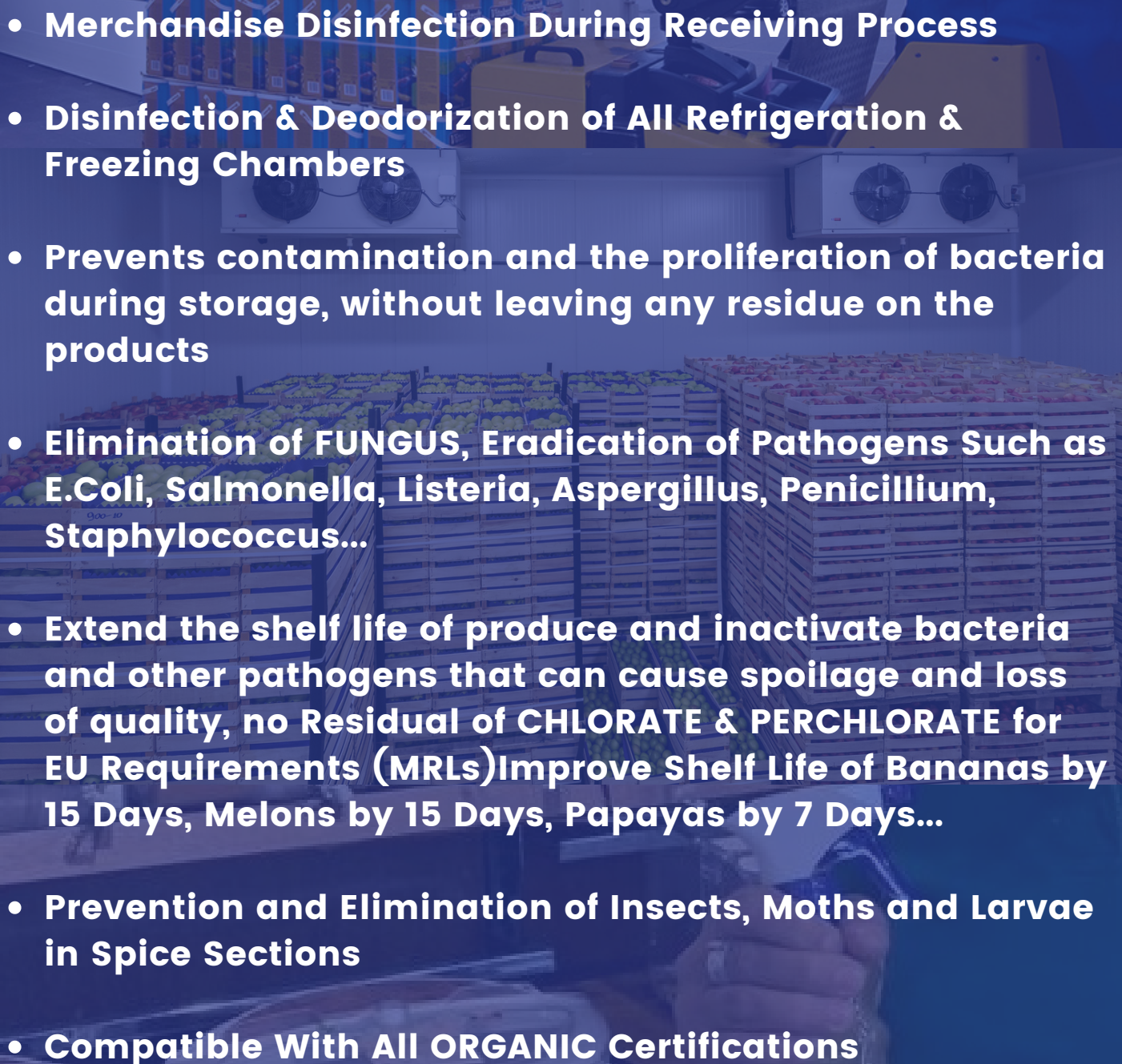




FRUIT & VEGETABLE Processing

**Reduce SPOILAGE and Improve
PRODUCE QUALITY**



- 
- The background is a collage of four images: top-left shows a person in a blue uniform handling boxes of Vitakraft products; top-right shows a person in a blue uniform using a spray bottle; middle shows a refrigerated storage room with large fans; bottom shows stacks of wooden crates filled with produce.
- **Merchandise Disinfection During Receiving Process**
 - **Disinfection & Deodorization of All Refrigeration & Freezing Chambers**
 - **Prevents contamination and the proliferation of bacteria during storage, without leaving any residue on the products**
 - **Elimination of FUNGUS, Eradication of Pathogens Such as E.Coli, Salmonella, Listeria, Aspergillus, Penicillium, Staphylococcus...**
 - **Extend the shelf life of produce and inactivate bacteria and other pathogens that can cause spoilage and loss of quality, no Residual of CHLORATE & PERCHLORATE for EU Requirements (MRLs) Improve Shelf Life of Bananas by 15 Days, Melons by 15 Days, Papayas by 7 Days...**
 - **Prevention and Elimination of Insects, Moths and Larvae in Spice Sections**
 - **Compatible With All ORGANIC Certifications**



Fruit, Vegetable & Raw Meat Washing



Safrax® chlorine dioxide is the **most effective molecule for killing harmful bacteria, viruses, and other pathogens** that may be present on the surface of foods.

Safrax® chlorine dioxide reduce the risk of foodborne illness and ensures that food is safe for consumption.

Safrax® chlorine dioxide is safe to use and does not leave any harmful residue on food. It is also cost-effective, as only a small amount is required to disinfect large quantities of produce. Furthermore, using chlorine dioxide for washing fruits, vegetables, and raw meats is a sustainable and environmentally friendly option, as it breaks down into harmless by-products, reducing the risk of environmental pollution.

Fruit, Vegetable & Raw Meat Washing

Chlorine dioxide is a powerful oxidizing agent that breaks down organic matter and removes dirt, debris, and other contaminants from the surface of the food, leaving it clean and fresh.

- **Reduce SPOILAGE** during storage and improve **PRODUCE QUALITY**.
- **Improve the Shelf Life of Produce** and customer standards, increase the shelf life of fruits & vegetables from 7 days to 15 days.
- **Highly Effective** against a **Broad Range of Microorganisms**, including SALMONELLA, E-COLI, LISTERIA monocytogenes, CAMPYLOBACTER jejuni, YERSINIA enterocolitica, STAPHYLOCOCCUS aureus, and CLOSTRIDIUM botulinum. Molds are sometimes found on the surface of meat products after prolonged storage. Molds produce two types of toxins i.e. Aflatoxins (toxin of Aspergillus flavus) and Ochratoxin (toxin of Penicillium vividicatum).

Chlorine dioxide is **EASY TO USE** and can be applied by simply adding it to the **Wash Water** or using it as a **Spray**.

- **Spray at 40 to 100 PPM**
- **Wash Water at 40 to 100 PPM**

Laundry Sanitation



Safrax® chlorine dioxide can be added to laundry wash cycles to help **Sanitize Linens and Towels**, reducing the risk of cross-contamination between guests.

Properly sanitized water is critical to the industrial laundry sector. Water is the key ingredient for a series of protocols ranging from cleaning and rinsing to effective and safe wastewater management. Not only must water be bacteria and pathogen-free to ensure that washing regimes deliver 100% sanitization for a variety of materials (hotel linens, industrial fabrics, and more), but it's imperative that the items cleaned be free from toxins, dangerous microbes, and other illness-borne risks.

Safrax® chlorine dioxide **Outperforms** chlorine and peroxide for **Disinfecting, Whiteness, Extending Linen Life & Helps Prevent Cross-Contamination** in wash water.

Laundry Sanitation

- Will work at **All Water Temperatures**. Safrax® chlorine dioxide is specially used for superior performance at low wash temperatures and in a variety of water conditions and levels of soilage.
- **Whiteness:** Truly effective in **Preventing White Linens** from **Greying or Turning Yellow**.
- **Extends Linen Life:** Safrax® chlorine dioxide can extend the life of towels, leading to lower overall linen replacement costs:

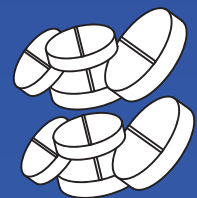
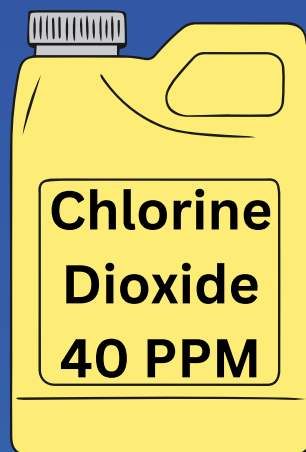
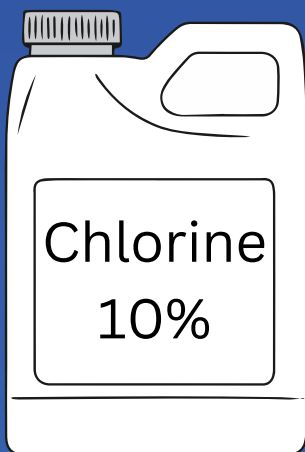
Does Not Weaken the Fibers of Sheets.

Does Not Make Linens Vulnerable to Tearing and Ripping.

- Replace chlorine based bleach/sodium hypochlorite.

**Bleach Solution at 10 % = 40 PPM
of Safrax® Chlorine Dioxide**

Also safe for use at higher concentrations



**For 20 Liters /
5.2 Gallons
of Water
Add 8
Grams/Tablets**

HVAC System Disinfection



Safrax® chlorine dioxide can be used to disinfect the air handling systems in hotels, reducing the spread of airborne pathogens.



Odor Removal



Safrax® chlorine dioxide is the

MOST EFFECTIVE AT REMOVING ANY ODOR

and helps to improve the overall guest experience by creating a pleasant and inviting environment.

Safrax® chlorine dioxide works by oxidizing the molecules that cause odors, breaking them down into harmless substances. Unlike other odor removal methods, chlorine dioxide does not simply mask the odor with a stronger scent, but actually neutralizes it.

Odor Removal – Shock Treatment

Safrax® chlorine dioxide **Shock Treatment** is the most effective solution for odor removal in rooms or buildings. This treatment involves the use of high concentrations of chlorine dioxide to quickly and effectively eliminate even the most stubborn odors. **Only apply to rooms where windows can be opened.**

1 Preparation:

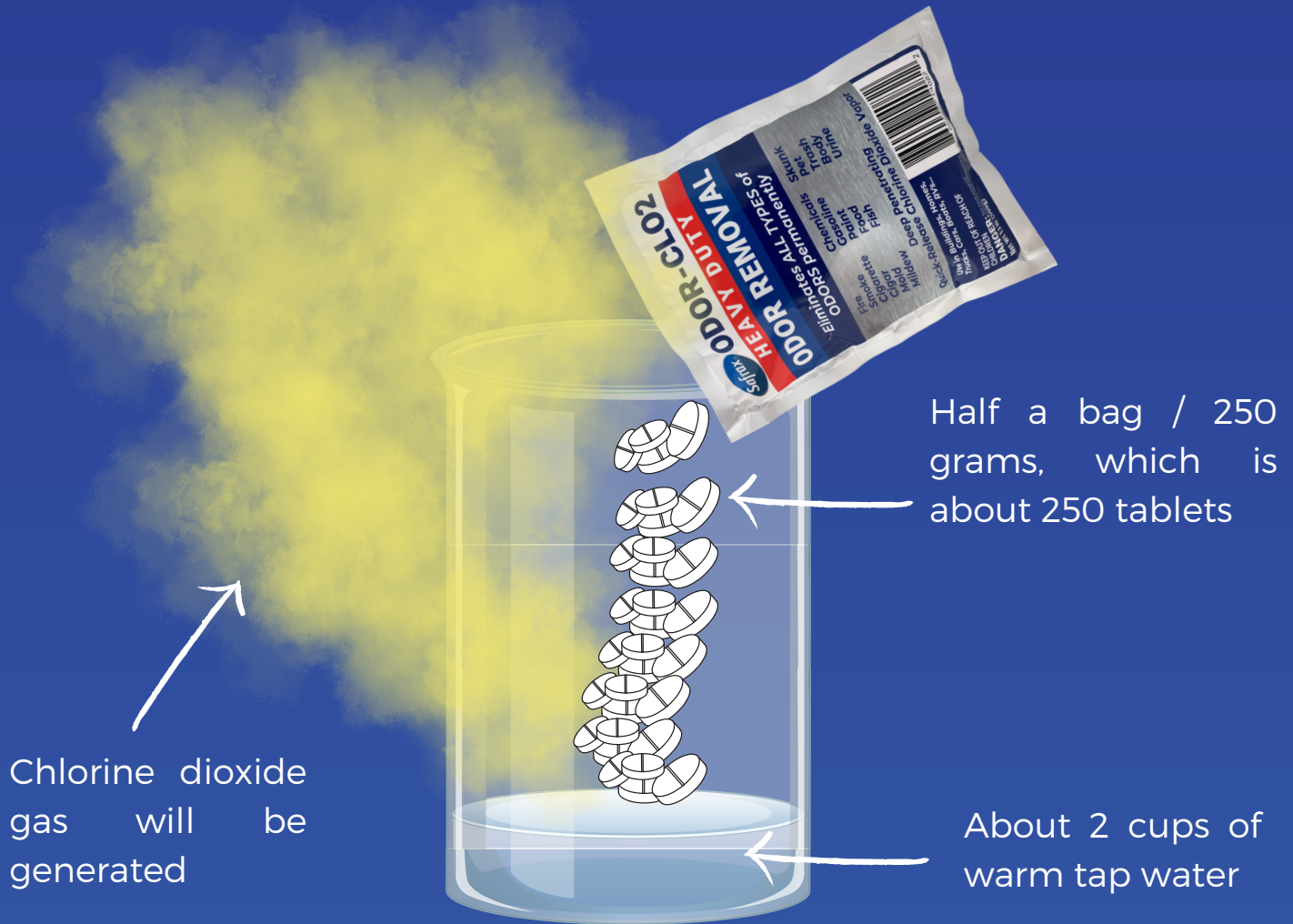
- Open all compartments, cabinets, closets, and drawers.
- Place a receptacle like a plastic bucket in the middle of the space.
- Close curtains/blinds (UV light eliminates ClO₂).
- Ensure all exterior doors, windows and air vents are **closed/sealed** before activating the gas.
- Remove any **pets** and **plants**.

2 ClO₂ Gas Activation:

- Place a receptacle in the middle of the space.

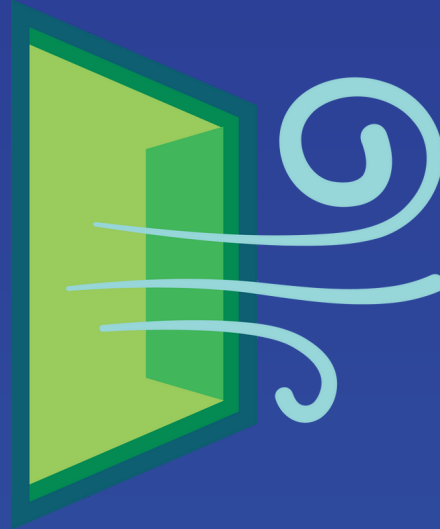
To treat a room up to 250 SQ FT, **slowly** add 250 grams/tablets to 2 cups of warm water.

Odor Removal – Shock Treatment



- **Do Not Breathe the Vapor Produced.** (Wearing a respirator is advised.) Exit the space as soon as possible and close the door. Do not allow people or pets to enter the space being treated as ClO₂ gas is a respiratory irritant.
- **Allow for 2 to 24-Hour** treatment time depending on severity of smell. If the smell persist please get in touch to discuss the optimal dosage.

Odor Removal – Shock Treatment



3 Air-Out:

- Open all windows and doors. This may take from **30 minutes to a few hours** depending on the ventilation/air flow.
- Some memory foam mattresses can retain the ClO₂ smell (chlorine pool smell) for a few hours to a few days. The smell at this concentration is not toxic and does not cause any harmful health effects.
- Our ClO₂ gas application does not require any rinsing or wiping.
- You can pour the leftover concentrate down the toilet or drain. The white residual powder is just common salt.

Odor Removal – Soft Treatment

Safrax® chlorine dioxide gas **Soft Treatment** for odor removal in hotel rooms is **designed for situations where windows cannot be opened**. This approach uses a lower concentration of chlorine dioxide, while still effectively neutralizing a wide range of odors. The advantages of using **Soft Treatment** is that **the Chlorine Dioxide Smell Dissipates Rapidly** after eliminating the odor, leaving a fresh and clean scent in the room.

1 Preparation:

- Use a receptacle like a a small plastic/glass container.
- Close curtains/blinds (UV light eliminates ClO₂).

2 ClO₂ Gas Activation:

- To treat a room up to 200 SQ FT, add 5 grams/tablets to 1 or 2 oz of warm water.





Odor Removal – SLOW RELEASE-CLO2



Safrax® SLOW RELEASE-CLO2
CHLORINE DIOXIDE
CLO2 AIR PURIFIER

- **Fragrance-Free**
- **Reduces Allergens**
- **Improves Air Quality**
- **Eliminates Mild Odors & Volatile Organic Compounds (VOCs)**
- **Purifies Your Home and Maintains a Fresh, Breathable Environment**
- **Continuously Emits a Safe Amount of Chlorine Dioxide for 30 to 60 Days**

Directions:
Step 1: Open the Outer Aluminum Foil Bag.
Step 2: Take Out the Inner Non-woven Sachet, DO NOT OPEN IT.
Step 3: Place the Inner Sachet Inside the Room/Vehicle to be Treated. Treats an Area up to 60 m³ or 2000 Cubic Ft (Humidity Activated). For Larger Areas, Use Several Bags.

100% BIODEGRADABLE



8 60007 14087 7

Safrax® SLOW RELEASE-CLO2 is used to **Purify the Air** in hotel rooms, lobbies, and other common areas. It helps remove unpleasant odors caused by smoking, cooking, and other sources. It helps maintain a clean and hygienic environment. These pouches contain a pre-measured amount of chlorine dioxide that is released gradually over time, providing continuous disinfection and odor control.

Odor Removal – SLOW RELEASE-CLO2

- **Easy to Use:** Requires Minimal Maintenance



Simply place the pouch in a discreet location in the room. The slow release formula ensures that the chlorine dioxide is distributed evenly throughout the room, helping to eliminate bacteria, viruses, and other pathogens, as well as control odors.

- **Effective in hotel rooms where Windows Cannot be Opened & where guests are Sensitive to Chemical odors.**
- **Helps maintain a Safe, Clean, and Pleasant environment for hotel guests.**
- **Provides a Convenient and Hassle-Free solution for hotel staff.**

Odor Removal & Disinfection of Garbage Areas



Safrax® chlorine dioxide is the solution for maintaining a clean and hygienic environment in garbage areas. In addition to its disinfectant properties, chlorine dioxide controls **Odors, Insects** and **Rodents**.



Chlorine dioxide can be applied through a variety of methods, including **Fogging, Spraying,** and **Mopping.**

- **Treat at 500 PPM**

Bed Bug Treatment



Safrax® chlorine dioxide is the most effective solution for bed bug removal in hotels.

Bed bugs are a common problem in the hotel industry and can be difficult to eliminate using traditional methods. Safrax® chlorine dioxide gas can penetrate deep into cracks and crevices where bed bugs hide, killing them on contact. It can also be used to treat bedding, furniture, and other areas where bed bugs are likely to hide.

Unlike traditional pesticides, chlorine dioxide is non-toxic and does not leave behind harmful residues, making it a safer and more environmentally-friendly option for bed bug removal.

By using chlorine dioxide, hotels can quickly and effectively eliminate bed bugs, ensuring the comfort and safety of their guests.



Bed Bug Treatment



SAFRAX INC.
8 THE GREEN
DOVER, DE 19901
U.S.A.

Evaluation of the efficacy of SAFRAX Chlorine Dioxide Clo₂ Tablets in eradication of bedbugs male, female and eggs in an exposure chamber

12/18/2015

Insect Species: Cimex lectularius and Cimex hemipterus

Temperature: from 20C to 21C

Relative humidity: 70%

Bedbugs Mortality were evaluated every 6 hours, it were determined to be dead through the standard practice for determination of bedbug mortality. Bed bug eggs were maintain for 4 weeks to determine whether they remained viable, which is twice as long as the eggs normally take to hatch.

Clo ₂ Concentration	Exposure Time			
	1 Hour	6 Hours	12 Hours	18 Hours
12,500 ppm	100 %			
1,500 ppm	90 %	100 %		
1,000 ppm	85 %	100 %		
500 ppm	50 %	75 %	95 %	100 %

Bed Bug Treatment

Safrax® chlorine dioxide **Shock Treatment** is the most effective solution for bed bug treatment in rooms or buildings. This treatment involves the use of high concentrations of chlorine dioxide. **Only apply to rooms where windows can be opened.**

1 Preparation:

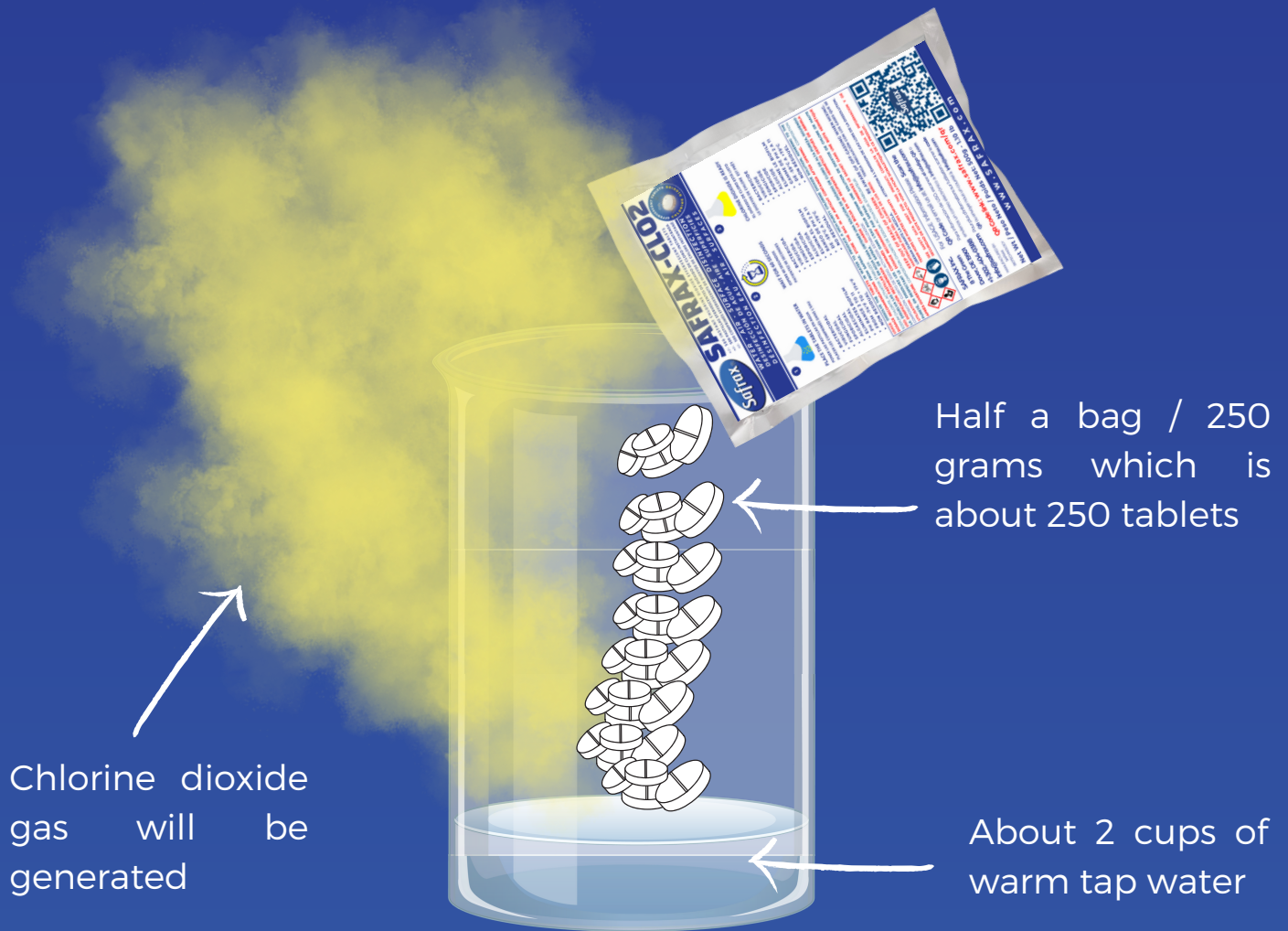
- Open all compartments, cabinets, closets, and drawers.
- Place a receptacle like a plastic bucket in the middle of the space.
- Close curtains/blinds (UV light eliminates ClO₂).
- Ensure all exterior doors, windows and air vents are **closed/sealed** before activating the gas.
- Remove any **pets** and **plants**.

2 ClO₂ Gas Activation:

- Place a receptacle in the middle of the space.

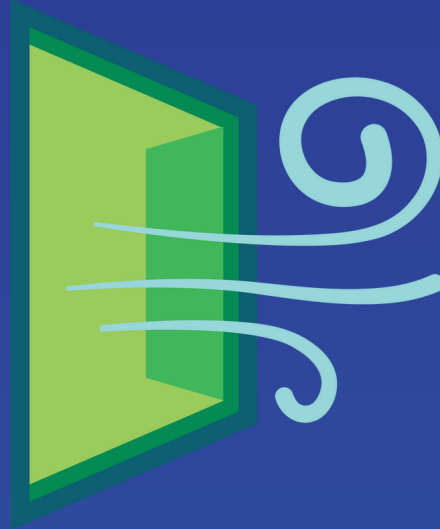
To treat a room up to 250 SQ FT, **slowly** add 250 grams/tablets to 2 cups of warm water.

Bed Bug Treatment



- **Do Not Breathe the Vapor Produced.** (Wearing a respirator is advised.) Exit the space as soon as possible and close the door. Do not allow people or pets to enter the space being treated as ClO₂ gas is a respiratory irritant.
- **24-Hour** treatment time is advised depending on severity of the bed bug infestation.

Bed Bug Treatment



3 Air-Out:

- Open all windows and doors. This may take from **30 minutes to a few hours** depending on the ventilation/air flow.
- Some memory foam mattresses can retain the ClO₂ smell (chlorine pool smell) from a few hours to a few days. The smell at this concentration is not toxic and does not cause any harmful health effects.
- Our ClO₂ gas application does not require any rinsing or wiping.
- You can pour the leftover concentrate down the toilet or drain. The white residual powder is just common salt.

Carpet & Upholstery Cleaning



In addition to its disinfectant properties, Safrax® chlorine dioxide can be used to remove odors from carpets and upholstery in hotel rooms, lobbies, and other common areas. This is particularly useful for removing persistent odors like smoke, pet odors, or musty smells.

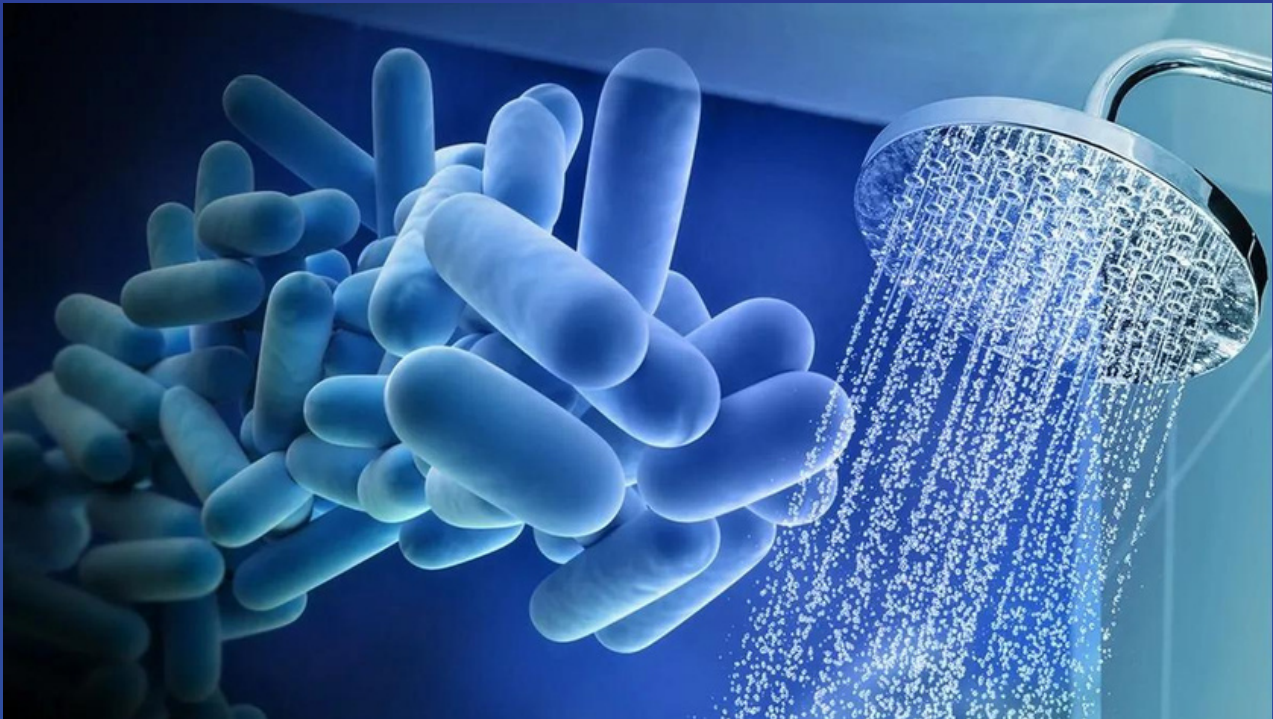
Safrax® chlorine dioxide can be applied directly to the carpet fibers through a variety of methods, including spray and injection, to target specific areas of concern.

Carpet & Upholstery Cleaning

Using Safrax® chlorine dioxide in a carpet cleaning machine can help to effectively clean and disinfect carpets in a quick and efficient manner. Here are the general steps for using chlorine dioxide in a carpet cleaning machine:

- 1** Dilute the chlorine dioxide solution according to the dosage/PPM needed. Always **test the chlorine dioxide solution on a small area of the carpet before using it** on the entire carpet. In rare cases, chlorine dioxide can cause discoloration or damage to certain types of carpets.
 - **General Treatment: 500 to 1000 PPM**
 - **Pet Urine Treatment: 2000 to 3000 PPM**
- 2** Fill the carpet cleaning machine's solution tank with the diluted chlorine dioxide solution.
- 3** Clean the carpet as usual, focus on heavily soiled or stained areas and ensure that the solution is applied evenly across the carpet.
- 4** Allow the solution to sit for a few minutes to penetrate the carpet fibers, using the brushes to help distribute the solution evenly and loosen any dirt or debris.
- 5** Extract the solution from the carpet using the machine's suction system.

Legionella Prevention



Legionella is a type of bacteria that can cause Legionnaires' disease, a severe form of pneumonia.

The hotel industry is particularly susceptible to Legionella outbreaks due to the large number of people using the water supply and HVAC systems.

Chlorine dioxide is the most effective solution against Legionella in hotels utilizing the following applications:

- **Water & Water Tank Treatment**
- **HVAC System Disinfection**
- **Cooling Tower Treatment**

Legionella Prevention

Water Treatment: Safrax® chlorine dioxide is used to disinfect the water supply in hotels, preventing the growth of Legionella bacteria. This can be achieved by adding chlorine dioxide to the hotel's existing water treatment systems.

- *Treat at > 5 to 25 PPM*

HVAC System Disinfection: Legionella bacteria can grow in the water supply of HVAC systems, leading to the spread of the bacteria throughout the hotel. Safrax® chlorine dioxide is used to disinfect the HVAC systems and prevent the growth of Legionella bacteria.

- *Treat at 5 to 25 PPM*

Cooling Tower Treatment: Cooling towers are particularly susceptible to Legionella growth, as they provide a warm, moist environment for bacteria to thrive. Safrax® chlorine dioxide is used to disinfect cooling towers, preventing the growth of Legionella bacteria and reducing the risk of Legionnaires' disease.

- *Treat at 5 to 25 PPM*

Legionella Prevention

☰ **CNN** health Life, But Better Fitness Food Sleep Mindfulness Relationships

One person has died of Legionnaires' disease after staying at an Atlanta hotel

By [Susan Scutti, CNN](#)
Published 5:11 PM EDT, Tue August 6, 2019

[f](#) [t](#) [e](#) [l](#)



DEVELOPING STORY

DOZENS SICKENED IN NEW YORK | LEGIONNAIRES' OUTBREAK

What is Legionnaires' disease? (2015)

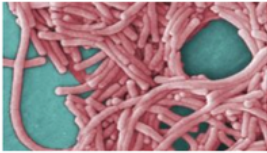
01:03 - Source: CNN

(CNN) — One person has died of Legionnaires' disease after staying at a prominent Atlanta hotel, officials said.

Eleven others who stayed at the Sheraton Atlanta have been diagnosed with Legionnaires' disease, while another 61 probable cases have been identified, according to Nancy Nydam, director of communications at Georgia Department of Public Health.

"Probable cases" are people who have symptoms of the disease but have not yet had a laboratory test to confirm the disease – a serious form of noncontagious pneumonia.

Legionella Prevention



RELATED ARTICLE

New Jersey Health Department is investigating a cluster of Legionnaires' disease cases

"Based on epidemiological evidence we have an outbreak among people who stayed at the (Sheraton Atlanta) during the same time period," said Nydam. Guests who complained of lung problems and were later diagnosed with Legionnaires' had attended a convention at the Atlanta hotel in early July.

Though the bacterium causing Legionnaires' has not yet been confirmed at the hotel, Sheraton Atlanta voluntarily shuttered its doors and hired outside experts to conduct testing, Nydam said.

"Sheraton Atlanta remains closed until at least August 11," Ken Peduzzi, the hotel's general manager, said in a statement Tuesday. Public health officials and environmental experts are working with the hotel to determine if it is the source of the outbreak, he said.



Thousands infected each year

About one in 10 people who get sick from Legionnaires' disease will die, a recent government report found.

The disease infects an estimated 10,000 to 18,000 people in the United States each year, with some cases not reported to health authorities. The number of people with Legionnaires' disease grew by nearly four times from 2000 to 2014, the CDC stated. People can get sick when they breathe in mist or accidentally take water into their lungs containing the bacteria. It can be treated with antibiotics, according to the US Centers for Disease Control and Prevention.



RELATED ARTICLE

Legionnaires disease sickens 9 at Graceland hotel

Legionella bacteria are found naturally in the environment, growing best in warm water, and can be found in shower heads and faucets, hot tubs, cooling towers, hot water tanks, decorative fountains or plumbing systems in large buildings, according to Georgia Department of Health.

"Testing of the property happened last week, and the hotel has voluntarily moved ahead with precautionary remedial activities while awaiting results," Peduzzi said.

Symptoms of the disease

Legionnaires' begins with a patient feeling tired and weak, according to the educational organization Legionella.org. Other common symptoms include coughing, diarrhea, nausea, vomiting, headaches, muscle aches, chest pain and shortness of breath. The incubation period - the time it takes for symptoms to appear after a person is infected with the bacteria causing the disease - is from 2 to 10 days.

Described as a "severe, often lethal, form of pneumonia," Legionnaires' can lead to treatment in an intensive care unit, according to Legionella.org. Some symptoms may be long-term: One study showed that three quarters of survivors continued to feel tired, 66% had neurologic symptoms and 63% had neuromuscular symptoms months after their diagnosis.

GET CNN HEALTH'S WEEKLY NEWSLETTER

Sign up here to get The Results Are In with Dr. Sanjay Gupta every Tuesday from the CNN Health team.

Scientists dubbed the illness "Legionnaires' disease" following an outbreak in Philadelphia in 1976, largely among people attending a state convention of the American Legion.

In Georgia, 189 cases of Legionnaires' disease were reported in 2018, and 172 cases in 2017.



Pool & Hot Tub Treatment

**ANTI-MICROBIOLOGICAL
WATER CONTROL
KEEPS YOUR WATER
CLEAN AND SANITIZED**

**KEEPS FAMILIES SAFE FROM
IRRITATING AND POISONOUS
CHEMICALS**





- **ELIMINATES BIOFILM IN WATER LINES**

Definitive Removal of Biofilm & Keeps Pipes Clean: ClO₂ prevents the biological creation and growth of biofilm in plumbing lines which promotes the proliferation of various microorganisms such as E-coli and Pseudomonas (which originate in human excrement).

- **BE PROTECTED AGAINST DANGEROUS GERMS**

Kills Bacteria, Algae, Fungi, Yeast, Viruses and Spores. Protects against dangerous germs, such as Legionella, Giardia, Cryptosporidium parvum, Staphylaccoces, E-coli, TVC's and Pseudomonas...

- **DOES NOT CREATE ODORS OR EYE IRRITATION**

Chlorine dioxide does not generate chloramines in water. Chloramines are the causes of the "chlorine" odor & eye irritation that is prevalent around pools and jacuzzies.

- **IMPROVES SKIN – NO ALLERGIES TO CHLORINE DIOXIDE**

ClO₂ does not generate irritation and is allergen-free. With no resultant inflammation, persons with skin problems such as eczema and psoriasis will experience relief. It is not necessary to rinse or shower after using the spa.

- **ENVIRONMENTALLY FRIENDLY**

Chlorine dioxide is ecological and replaces a wide variety of chemicals commonly used for the treatment of spa/pool water, such as chlorine and bromine. You will not need to replace the water in your pool/spa, thus saving water.

- **NO OTHER WATER TREATMENT PRODUCTS ARE REQUIRED**

“All-In-One” – No other product is necessary for treatment. Respectful of human health and does not cause pH fluctuation.

- **EFFICIENT WITH HOT WATER**

Efficient with hot water up to 176°F/80°C.

- **NO MORE NEED TO CHANGE YOUR HOT TUB FILTERS**

- **SAFRAX CLO2 REMOVES IRON AND MANGANESE**

- **KILLS AND PREVENTS GREEN, BLACK AND YELLOW ALGAE**

- **ELIMINATES THE RISKS OF EXCESSIVE THM AND BROMATE LEVELS IN HEAVILY CHLORINATED WATER**

- **COMPATIBLE WITH SALT WATER SYSTEM, SILVER ION CARTRIDGES, WATER SOFTENERS AND PRODUCTS THAT REGULATE PH**



EASY TO USE – SIMPLY ADD TABLETS TO WATER

Add the proper dose of Safrax® ClO2 tablets directly to the water. After adding the tablets, keep the pump running for a few minutes. For best results, add tablets in the evening or at night as chlorine dioxide is sensitive to UV light.

It is advised to maintain **1 to 3 PPM** in your pool/hot tub:

- **First Time Use:** Use a dosage of 5 PPM when adding to OLD water.
- **Shock Treatment** is from **5 PPM to 25 PPM**.
- If you use your hot tub daily, it is advised to add **1 to 2 PPM** daily.
- With a dosage of 3 PPM, your water should stay clear for 3 to 5 days.
- The first few weeks your hot tub may need more chlorine dioxide, particularly if you have a lot of biofilm in your piping.

Table of Hot Tub Size and Dosage:

Hot Tubs Size / Dosage	200 Gallons / 755 Liters	250 Gallons / 950 Liters	300 Gallons / 1135 Liters	350 Gallons / 1325 Liters	400 Gallons / 1515 Liters	450 Gallons / 1700 Liters	500 Gallons / 1890 Liters	550 Gallons / 2080 Liters	600 Gallons / 2270 Liters	650 Gallons / 2460 Liters	680 Gallons / 2575 Liters	700 Gallons / 2650 Liters
1 PPM (daily)	Add 8 tablets	Add 10 tablets	Add 12 tablets	Add 14 tablets	Add 16 tablets	Add 17 tablets	Add 19 tablets	Add 21 tablets	Add 23 tablets	Add 25 tablets	Add 26 tablets	Add 27 tablets
2 PPM (daily)	Add 16 tablets	Add 20 tablets	Add 24 tablets	Add 28 tablets	Add 32 tablets	Add 34 tablets	Add 38 tablets	Add 42 tablets	Add 46 tablets	Add 50 tablets	Add 52 tablets	Add 54 tablets
3 PPM (every 2 to 5 days)	Add 24 tablets	Add 30 tablets	Add 36 tablets	Add 42 tablets	Add 48 tablets	Add 51 tablets	Add 57 tablets	Add 63 tablets	Add 69 tablets	Add 75 tablets	Add 78 tablets	Add 81 tablets
4 PPM	Add 32 tablets	Add 40 tablets	Add 48 tablets	Add 56 tablets	Add 64 tablets	Add 68 tablets	Add 76 tablets	Add 84 tablets	Add 92 tablets	Add 100 tablets	Add 104 tablets	Add 108 tablets
5 PPM	Add 40 tablets	Add 50 tablets	Add 60 tablets	Add 70 tablets	Add 80 tablets	Add 85 tablets	Add 95 tablets	Add 105 tablets	Add 115 tablets	Add 125 tablets	Add 130 tablets	Add 135 tablets



**Safrax[®] Chlorine
Dioxide for
Steam Room &
Sauna**



Steam Room & Sauna Disinfection



Saunas and steam rooms are potential breeding grounds for bacteria, viruses and fungi because of their **warm temperatures** and **humid environments**.

Wet saunas and steam rooms, in particular, need to be regularly cleaned to prevent the growth and spread of these microorganisms.

Safrax® chlorine dioxide is a highly effective disinfectant used to sanitize saunas & steam rooms to maintain a high standard of cleanliness and hygiene.

Rapid Action: Safrax Chlorine dioxide works quickly and can destroy microorganisms in a matter of seconds.

Steam Room & Sauna Disinfection

Gas Treatment:

- The Safrax® **Shock Treatment** is the perfect way to disinfect saunas and steam rooms. This gas treatment ensures that the chlorine dioxide penetrates porous surfaces and gets into the mechanics of the sauna stove or steam generator, where pathogens are more likely to breed.
- The gas treatment **only needs to be applied once for complete disinfection** and to **remove mold and any odors**. With **Nightly Maintenance**, the facilities will remain clean.

Nightly Maintenance:

- It is recommended to spray down the surfaces and floors with a **500 to 1000 PPM** solution nightly to maintain cleanliness and prevent mold and unpleasant odors.



THE FOLLOWING REPRESENTS PAST AND PRESENT CLIENTS AND PROJECTS WE HAVE COLLABORATED ON:



NORDIC CHOICE HOTELS™





**SAFRAX® IS THE PIONEERING COMPANY
MANUFACTURING A READY-TO-USE CHLORINE
DIOXIDE SOLUTION, HOLDING A PATENT SINCE 2011.**



ECO-FRIENDLY



100%
Compatible with
Organic culture

Available at:



www.safrax.com

SAFRAX Inc.
8 The Green
Dover, DE 19901
Email: support@safrax.com
Toll Free:
1.855.888.CLO2 (2562) / 1.888.795.5888



UNITED NATIONS
GLOBAL MARKETPLACE

AUTHORISED SUPPLIER
NUMBER: 873938