

SO, WHAT IS CHLORINE DIOXIDE (CLO₂)?



Chlorine Dioxide (CLO₂) is a proven odor eliminating gas with strong oxidizing abilities. It has become a work horse in odor abatement, particularly in smoke elimination. When selecting a company to solve your odor problems it is important to know what they use and how they apply it. Only with a gas use of chlorine, and the latest in technology, with deep reaching abilities will you be able to eliminate tough odors. The physical nature of chlorine dioxide is a gas of a yellow green color. It is very soluble in water and is commonly used in water treatment for drinking water and vegetable rinses, it actually breaks down into a salt water solution. CLO₂ is one of the strongest oxidizers of odor molecules.

It's Often Confused - Chlorine Dioxide smells somewhat like chlorine bleach, but it should not be confused with chlorine bleach or chlorine gas. They all share the name of "Chlorine" but are very different chemicals that react differently and produce by-products that have little in common. Chlorine Dioxide forms none of the harmful by-products produced by chlorine gas or chlorine bleach. Chlorine bleach and chlorine gas both operate through chlorination of a substance, the sharing of a chlorine atom. Chlorine Dioxide is effective through an oxidation process where a substance is oxidized.

Chlorine Dioxide forms none of the harmful by-products produced by chlorine. Chlorine Dioxide functions as a highly selective oxidant and it remains as a free stable radical even in diluted chilled water.

Chlorine Dioxide readily vaporizes and reacts with many things around it, or it decomposes and it is gone. Once Chlorine Dioxide is deployed through the gas method it either reacts or it decomposes. One of the most significant benefits of CLO₂ is that it does not stay around. It is important to know that CLO₂ is attracted to water and a few companies use a sponge as a delivery method. The problem is with CLO₂ being attracted to water and using a wet sponge, the sponge holds water so not all of the gas can be released making it less effective.

Chlorine Dioxide covers a broad range of uses and remains active and effective through a large band range of PH scale from 1-8.

Facts About Chlorine Dioxide -

- It can be used as a liquid, a gas or in tandem depending on the recommended protocols.
- It has been tested and proven to be the most effective tool in the odor removal industry today.
- Chlorine Dioxide eliminates the odors cause by mold & mildew, along eliminating odors from cigarette smoke, fire smoke, urine, fecal matter, skunk, rotten food to name a few.
- When applied as either gas or liquid, CLO₂ goes to work and does its job and when it is finished the gas breaks down into sodium ions and the liquid breaks down into salt and water.
- Chlorine Dioxide's Active Properties are based on oxidation rather than chlorination, and does not react with organic matter to form DBPs like Chlorine (Cl₂) does.
- Unlike Chlorine (Cl₂), Chlorine Dioxide (CLO₂) remains a true gas when dissolved in water as it does not hydrolyze in water.

Why We Offer Chlorine Dioxide In A Liquid And A Gas -

- The liquid and gas each serve different purposes but support and complement one another when combined in the same treatment, using our protocols. The gas method is used in confined spaces and the liquid can be used in open areas like kitchens, RV's, trash cans and many more uses.
- The gas goes airborne in a confined space and the liquid can be used in any area and can go on all surfaces. Most important, the gas likes the high humidity environment created by the liquid.



Just the Facts



Tested and Proven.

