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Are you still using or being forced to use chlorine bleach to clean and disinfect in your home or workplace? Chlorine Bleach (Sodium Hypochlorite) is a corrosive and dangerous chemical that requires skin, eye and lung protection. If you are using it in a school or institution, it must also be EPA registered bleach...NOT household bleach.

Your workplace is required to supply you with the personal protective equipment to safely use chlorine bleach to disinfect. Are you also diluting bleach? Even a minor miscalculation can render it ineffective against certain dangerous and infectious organisms.

Another little known fact is that once a bottle of bleach has been opened and exposed to air, it will fail to disinfect properly after only 30 days! Vital Oxide remains effective for one year after opening.

VITAL OXIDE is a revolutionary and effective cleaner and hospital grade disinfectant that kills 99.999% of all dangerous organisms **including EBOLA, PARVO, DISTEMPER, MRSA, ACINETOBACTER, NOROVIRUS, INFLUENZA, STREP, STAPH AND MUCH, MUCH MORE.** Yet **VITAL OXIDE** is not harmful to skin and is non-corrosive. Eye protection is recommended as with any cleaning materials. There is absolutely no fragrance or odor, yet it is a super effective odor eliminator. It is EPA Registered, Health Canada Approved and is a cleaning solution approved by the Carpet and Rug Institute. It is also approved by the National Sanitation Foundation (NSF), Health Canada Approved as **safe for food contact, no rinse required** when diluted properly and used as a no-wipe spray on hard surfaces! However, **Chlorine bleach MUST be rinsed when used on food handling surfaces.**

PLEASE READ the little known facts about using bleach that follow...then talk to your co-workers or supervisor or owner about protecting your health and safety by switching to VITAL OXIDE!

Bleach is one of the most corrosive and deadly chemicals yet it still can be found at every supermarket and drugstore in the nation. With such broad household use, it's important to remember the risk it poses to children (especially because small amounts will affect them more than adults) or anyone unaware of its effects.

The burn you feel when using bleach products or the coughing you may experience is a sign of the corrosive properties of bleach in your body...

And that slippery feeling of bleach on your skin? That's actually caused by the lye (caustic soda) reacting to the fats and oils on your skin. Below are the personal and environmental concerns of using chlorine bleach:



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- **When bleach is mixed with ammonia, it creates a deadly gas.** Remember that urine contains ammonia, so using bleach in the toilet increases the risk of creating a toxic gas that can actually stop lung function.
- **Chlorine and dish soap can create mustard gas, a deadly gas used as a weapon in WWI.** What is bleach even doing in our homes and workplace?
- **Chlorine is actually a gas at room temperature,** which means most people can inhale it at home and at work in small quantities, Daily 24/7.
- **In its gaseous form (such as at room temperature, mentioned above), chlorine bleach can create dioxins, a known cancer-causing compound** also related to birth defects, miscarriage, infertility, diabetes, immune disorders and more.
- **Pets and birds are more susceptible to inhalation of chlorine bleach fumes** because of their small air capacity and the likelihood of filling their lungs with vapors.
- **Chlorine bleach is highly corrosive to the skin, lungs and eyes,** as well as other materials, and can actually cause chemical burns and ulcerations.
- **The oxidation of chlorine may also form hypochlorous acid, which has the ability to penetrate and destroy cell structure.**
- **Chlorine bleach may increase asthma and allergy symptoms because of the likelihood of inhalation.** It can also cause wheezing, bronchospasm and sometimes noncardiogenic pulmonary edema (a lung condition that prevents enough oxygen from entering the blood).
- **Ingestion of bleach causes corrosive damage to the tissues of the gastrointestinal tract.**
- **Chlorination of drinking water can oxidize organic contaminants,** producing trihalomethanes (also called haloforms), which are carcinogenic (cancer-causing).
- **When chlorine bleach is mixed with wastewater it is found to form numerous organic compounds.** Two of those compounds are chloroform - which can cause dizziness, headache, respiratory issues, heart attack, liver and kidney damage, birth defects and more - and carbon tetrachloride - which is responsible for nerve damage, liver and kidney degeneration, coma and death.
- **Chlorine bleach and wastewater can also create Trihalomethanes, a toxic carcinogen** that has been linked to breast cancer, miscarriage and other fertility issues in animals.
- **Chlorine bleach also breaks down in the environment to "halides", which can harm shellfish, as well as other aquatic life.**
- **Organichlorides, which contain chlorine, persist in the environment for long periods of time and have been linked to reproductive issues, immune dysfunction, cancer, hormonal disruption and more.**

Eliminate the dangers of cleaning with bleach...use VITAL OXIDE...it is safe and effective.



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