

# VitalOxide



**Safe for you, your home, your pets and it eliminates odors, disinfects/sanitizes, and kills mold and mildew!**

Vital Oxide is EPA registered hospital disinfectant cleaner, food surface sanitizer, mold killer, and heavy-duty odor eliminator. Effective on a broad-spectrum of virus, and bacteria, including “super bugs” like MRSA and H1N1, Vital Oxide breaks down to simple salt and produces no harmful by-products.

Vital Oxide is NSF certified D2 (No Rinse Required) as a food contact surface sanitizer, and kills 99.999% of bacteria, including E. coli, Salmonella and Listeria in less than 60 seconds. Ready to use, no mixing required, just spray, wipe, or fog right from the bottle. Non-irritating to the skin, and non-corrosive to treated articles.

## HOW IT WORKS

Vital Oxide works by oxidation, not by masking of odors. It kills microbes by chemically altering certain amino acids that contain sulfur. The amino acids are important building blocks in the proteins that help to form cell walls. When these proteins are destroyed, the cell wall ruptures and the organism dies. In the chemical reaction, Vital Oxide takes on an electron from the amino acid and reverts to a chlorite ion. The amino acid gives up an electron and giving up an electron is what chemists call oxidation.

## SPRAYER

- Touchless Application
- Reduce Cross Contamination
- Easy to Operate
- Liquid Adhesion & Coverage
- Portability
- Electrostatic Wrapping
- Cost Effective and Easy to Implement
- Dwell Time and Eco Friendly



**65% Less Chemical 70% Faster Application**

## Product Uses

- Healthy Cleaning
- Residential Sanitizer
- Hospital Disinfectant
- Mold and Mildew
- Odor Control
- Carpet and Rug
- HVAC and Air Ducts



Vital Oxide is used against the Ebola virus according to recent Center of Disease Control and Prevention guidelines. Vital Oxide is **colorless, odorless - so mild** and you can wash your hands in it, will not harm hard or soft surfaces, or colorfast fabrics. Use it on shower curtains, under sinks, in basements and crawl spaces - anywhere mold and bacteria are found.

Vital Oxide's formula is **ready to use** and shelf stable. No mixing required, spray, wipe, or fog right from the bottle for hospital grade disinfection.

Vital Oxide is stabilized to retain over 98% of its strength for over one year under normal storage conditions. At the same time the stabilization is controlled to allow a rapid equilibrium between the "stabilized" and "free" chlorine dioxide. This means that the Vital Oxide total 2,000-ppm Chlorine Dioxide is available almost instantly as needed to destroy harmful microbial substances, and whatever is not used will be available in reserve for long-term residual activity.

**Vital Oxide can be diluted for carpet treatments and to use it as a daily sanitizer.**

Vital Oxide includes components that dramatically decrease the size of its particles. This increases the ability of the active solution to spread on and to penetrate both hard and porous surfaces. This also makes it effective against airborne pathogens by reducing droplet size from sprayers

"As the president of a microbiology testing lab, I see and evaluate new antimicrobial technologies often. After extensive testing, I can comfortably say that Vital Oxide is one of the most exciting new technologies on the market. Its dual-active system cleans well and is effective against a wide variety of pathogens - most importantly, it does the job quickly."

-Benjamin D. Tanner, Ph.D.

-President

-Antimicrobial Test Laboratories



## Bayou Pumps & Products, Inc.

171 Mims Drive El Dorado, AR 71730 (870) 863-0454

[BayouPumps.com](http://BayouPumps.com)