

# RESIDENTIAL, COMMERCIAL & HOSPITAL DISINFECTANT

# VitalOxide®

*Kills Harmful Bacteria on Hard and Soft Surfaces  
Inhibits & Keeps Mold and Mildew from Growing for up to 4 Weeks*

**Sanitizes Hard and Soft Surfaces by Spot Treatment  
60 Seconds is All It Takes to Kill 99.999% of Bacteria**

**Tough on Germs, Easy on Surfaces  
100% Biodegradable Surfactant  
7 in 1 Cleaner Technology  
Disinfects as It Cleans**



LISTED #141392  
No rinse required for  
food contact surfaces (D-2)

**AREAS OF USE INCLUDE:** Homes, vehicles, schools, daycare, gyms, locker rooms, sports gear, hospitals, nursing homes, laundry rooms, veterinary, ambulances, laboratories, restaurants, boats, ships, federally inspected meat & poultry processing plants, farms, animal pens and poultry houses, egg processing premises, hatcheries, swine premise sanitation, refrigerated storage units, HVAC and AC systems, airplanes, trains, trucks, buses & automobiles. Use as a mold inhibitor on hard non-porous surfaces and soft surfaces, botanical facilities, commercial greenhouses customer/public areas, floral shops, garden centers, horticultural facilities, plant growing chambers, plant growing facilities, plant growing rooms, plant holding areas, greenhouse equipment, greenhouse films, plant display racks, plant grow shelves

**VITAL OXIDE KILLS:** Hard Surface Sanitization No Rinse Required: 60 sec contact time: Escherichia coli (ATCC 11229), Staphylococcus aureus (ATCC 6538) Sanitize Soft Surfaces: 5 minute contact time: Staphylococcus aureus (ATCC 6538), Enterobacter aerogenes (ATCC 13048) Carpet Sanitization: 60 Minute contact time: Enterobacter aerogenes (ATCC 13048), Staphylococcus aureus (ATCC 6538 ) Fungicide: 10 Minute contact time: Trichophyton rubrum (ATCC # MYA-4438), Trichophyton interdigitale (ATCC # 9533) Mildewstat: 10 Minute contact time: Aspergillus niger (ATCC 6275) Disinfection Bacteria 10 minute contact time: Pseudomonas aeruginosa ATCC 15442, Acinetobacter baumannii ATCC 19606, Staphylococcus aureus MRSA ATCC 33592, Listeria monocytogenes ATCC 15313, Legionella pneumophila ATCC 33153, Salmonella enterica ATCC 10708, Staphylococcus aureus ATCC 6538, Klebsiella pneumoniae (NDM-1) ATCC BAA-2146, Escherichia Coli ATCC 11229, Bordetella bronchiseptica ATCC 10580, Mycobacterium bovis-BCG, Penicillin-Resistant Streptococcus pneumoniae, ATCC# 700677, Chlamydia psittaci, Strain GBC, ATCCVR-125 Disinfection Virus 5 minute contact time: Rotavirus, Strain WA \*\*, Hepatitis C Virus Bovine Viral Diarrhea Virus\*\*, Hepatitis B Virus Duck Hepatitis \*\*, Norovirus Feline Calicivirus\*\*, Murine Norovirus (MMV-1) \*\*, Swine Influenza (H1N1) \*\*, Respiratory Syncytial virus, ATCC VR-26\*\*, Human Immunodeficiency Virus (HIV Type 1) Strain HTLV-III\*\*, Influenza B Virus (Strain B/Taiwan/2/62), ATCC VR-1735\*\*, Hepatitis A Virus ATCC VR-1541\*\*, Hantavirus (Prospect Hill Virus) University of Ontario \*\*, Canine Distemper Virus, Strain Snyder Hill, ATCC VR\*\* Disinfection Virus 10 minute contact time: Adenovirus 1, Strain Adenoind 71, ATCC VR-1\*\*, Canine Parvovirus, Strain Cornell-780916, ATCC VR-2016\*\*, Canine adenovirus 1, Strain Utrecht, ATCC VR-293\*\*, Feline Herpesvirus 1 Strain C-27, ATCC VR-636\*\*, Feline coronavirus, Strain WSU 79-1683, ATCC VR 989\*\*, Canine coronavirus Strain 1-71, ATCC VR-809\*\*, Canine Influenza (H3N8) virus, Strain A/Ca/NY/105913/08, Cornell University\*\*, Feline Infectious Peritonitis Virus, Strain: WSU 79 1146, ATCC# VR-990\*\*, Feline panleukopenia virus, Strain Philips-Roxane, ATCC VR-648\*\*, Rabies Virus, Strain: Flury (HEP), ATCC VR-139\*\*, Avian Influenza (H5N1) Virus (VNIH5N1-PR8/CDC-RG), CDC #2006719965, Chades River Laboratories, Herpes Simplex Virus 1 (Human), Strain HF, ATCC VR-260\*\*, Porcine Epidemic Diarrhea Virus, Strain OD 2013, USDA APHIS 025-PDV001, Porcine Reproductive and Respiratory Syndrome Type 2 Virus, Strain NVSL (North America) NVSL 130 PDV

## ACTIVE INGREDIENTS:

Chlorine Dioxide.....	0.200%
Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride.....	0.125%
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride.....	0.125%
OTHER INGREDIENTS.....	99.550%
Total.....	100.000%

**NET CONTENTS: 128 FL. OZ. (3.78 L)**

KEEP OUT OF REACH OF CHILDREN



**DIRECTIONS FOR USE:** It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Test fabric for color fastness. Contains a dilute oxidizing agent. Do not mix with vinegar acid cleaners. Always refer to manufacturer's care instructions before using equipment or devices. **Pre-Cleaning Instructions:** Remove visible soil by cleaning. Spray product straight onto soils, scrub and wipe clean with a dry paper towel or cloth. For cleaning floors add one cup product per gallon of water in bucket and clean with sponge, mop, or pad. **To Spot Clean Carpet:** Spray on soiled area until wet. Gently blot area with a clean, damp, color safe cloth. Repeat as needed for stubborn stains. Let air dry.

**TO DISINFECT HARD NON-POROUS SURFACES:** For disinfecting pre-cleaned hard non-porous surfaces such as glass, plastic, painted wood, laminate, chrome, stainless steel, polyurethane coated hardwood floors, glazed ceramic tile, sealed concrete & linoleum floors. Types of items include: Exterior of appliances, bed frames, cabinet handles, wheelchairs, child car seats, counters, cribs, doorknobs, tables, tubs, exterior toilet surfaces, faucet handles, handrails, jungle gyms, keyboards, light switch covers, patio furniture, showers, sinks, stovetops, telephones, toys, walls, waste containers. Apply VITAL OXIDE undiluted full strength to pre-cleaned hard non-porous surfaces, wetting thoroughly with spray, sponge, mop, or by immersion in solution. Allow surfaces to remain wet for 5 minutes or 10 minutes for virus inactivation (refer to the viruses table for contact times) 10 minutes for bacteria disinfection. For immersion, replace solution daily, or more frequently if it becomes significantly soiled or diluted.

**FOGGING AND MISTING:** VITAL OXIDE can be applied by fogging or misting to disinfect hard, nonporous surfaces. Apply by fogging or misting until surface is moist using equipment. Carefully protect all food and food packaging materials prior to treatment. Vacate treatment area and do not reenter treated area until air is clear (minimum 20 minutes to reentry). For disinfection by ULV misting machine application, see the product Supplemental Bulletin specific for equipment to be used.

**TO DISINFECT HARD NON-POROUS SURFACES (tuberculocidal):** For disinfecting pre-cleaned hard nonporous surfaces such as glass, plastic, painted wood, laminate, chrome, stainless steel, polyurethane coated hardwood floors, glazed ceramic tile, sealed concrete & linoleum floors. Types of items include: Exterior of appliances, bed frames, cabinet handles, wheelchairs, child car seats, counters, cribs, doorknobs, tables, tubs, exterior toilet surfaces, faucet handles, handrails, jungle gyms, keyboards, light switch covers, patio furniture, showers, sinks, stovetops, telephones, toys, walls, waste containers. Apply product full strength to pre-cleaned hard non-porous surfaces, wetting thoroughly with spray, sponge, mop, or by immersion in solution. Allow surfaces to remain wet for 10 minutes for Mycobacterium bovis-BCG disinfection. For immersion replace solution daily, or more frequently if it becomes significantly soiled or diluted.

**TO DEODORIZE:** VITAL OXIDE works by oxidation, not by masking of odors. Eliminates odors caused by fire smoke, tobacco smoke, musty odors, stale-cooking odors. Simply spray, fog, or wipe on full strength and let air dry. When fogging to deodorize apply 1 quart per 2000 cubic ft. following fogger manufacturer's directions for use.

**TO DEODORIZE OR FRESHEN CARPET:** Spray until slightly damp to eliminate (pet) odors. Product must come in contact with the cause of the odor to be effective. **TO DEODORIZE HVAC SYSTEM DUCKWORK:** Spray VITAL OXIDE into system intake vents while system fan is running. Allow enough spray time for VITAL OXIDE to contact air duct system surfaces. Repeat application as necessary.

**ALLERGEN REMOVAL:** To reduce specified allergens: Spray, wait 1 minute, and wipe excess. Allow to air dry. **FUNGICIDE: To Kill Fungus on Hard, Non-Porous Surfaces:** Remove visible surface dirt by cleaning. Apply VITAL OXIDE to the surface until thoroughly wet for 10 minutes. Re-apply when cleaning or when new growth appears. For effective control of the fungus Trichophyton interdigitale, the surface must be completely wet with product for 10 minutes. **MILDEWSTAIN: For Mold or Mildew on Floors, Walls, Ceilings & Fabric:** Remove as much surface dirt, mold, or mildew as possible by cleaning. Then spray on VITAL OXIDE from a distance of 12 inches until visibly wet and let air dry, the surface must be completely wet with product for 10 minutes.

**TO SANITIZE FOOD CONTACT SURFACES:** *Staphylococcus aureus* (ATCC 6538) and *Escherichia coli* (ATCC 11229) 99.999% sanitization of food contact surfaces. Mix 1 part VITAL OXIDE to 9 parts tap water. For all food contact surfaces, including glassware, utensils, cookware, and dishware: Scrape and prewash, then wash with a good detergent. Rinse with potable water, then sanitize by immersion in product for 1 minute (or longer if specified by government sanitary code). Place on a rack or drain board to air dry. Do not rinse or wipe. Food Contact Immobility Surfaces: (food processing equipment, counter tops, tables, appliances) Remove all gross food particles and soil by cleaning and rinse with potable water. Apply product by wetting thoroughly and let stand for 1 minute (or longer if specified by government sanitary code). Let surfaces drain and air dry. Do not rinse or wipe.

**TO SANITIZE CARPET:** For synthetic carpet fibers such as nylon, olefin, or polypropylene. Not intended for use on wool carpets. Test for color fastness in an inconspicuous area. Carpet should be clean or free of excessive soil before applying. Mix 1 part VITAL OXIDE to 5 parts water. Or use full strength. Apply at a rate of 2.5 oz per sq. ft. Product must come into contact with contaminant to work. Allow to dwell for 10 minutes. Do not rinse, use an extraction wand and dry stroke carpet to remove excess moisture. Carpet can air dry or fans may be used if carpet needs to dry faster. **To Spot Clean & Sanitize:** Spray a light even coating on soiled area until wet. Allow to remain wet for 60 minutes. Gently blot area with a clean, damp, color-safe cloth. Repeat as needed for stubborn stains. Let air dry.

**TO SANITIZE CARPET USING A DEVICE:** See Manufacturer's instructions for use. **To Sanitize Soft Surfaces by Spot Treatment:** Hold bottle upright 6" - 8" from surface. Spray until fabric is wet. DO NOT SATURATE. Let stand for 5 minutes. Allow to air dry. For difficult odors or heavy fabrics, repeat application. Visible soil must be removed prior to sanitizing.

**TO USE AS A PRECLEANER OR POSTCLEANER:** Spray a light even coating over soiled area (until wet). Allow to remain wet for 60 minutes. Deep clean following your machine's guide.

**TO SANITIZE NON-FOOD CONTACT HARD NON-POROUS SURFACES:** *Staphylococcus aureus* (ATCC 6538) and Enterobacter aerogenes (ATCC 13048) Mix 1 part VITAL OXIDE with 9 parts water. Apply product as a one-step cleaner/sanitizer (5% organic soil load) by wetting thoroughly and let stand 5 minutes. Wipe and allow to air dry. No rinse required.

**HOSPITALS/HEALTHCARE FACILITIES:** VITAL OXIDE cleans, disinfects and deodorizes hard, nonporous hospital and medical surfaces in one step with no rinsing required. VITAL OXIDE is a one step germicidal disinfectant cleaner and deodorant designed for general cleaning and disinfecting of hard, nonporous inanimate surfaces, when use-directions for disinfection are followed. Removes dirt, grime, fungus, mold, food residue, blood and other organic matter commonly found in hospitals and in health care facilities. It also eliminates odors leaving restroom surfaces smelling clean and fresh. Use where odors are a problem.

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATIONS AGAINST HIV-1, HBV, AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS. KILLS HIV-1, HBV, AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids and surfaces/ objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS), Human Hepatitis B Virus, and Human Hepatitis C Virus. When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, and eye coverings.

**CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal. **CONTACT TIME:** Allow surfaces to remain wet for 5 minutes for virus inactivation. **STORAGE AND DISPOSAL:** Store in original closed container in a cool, dry, place away from heat and open flame. Do not allow product to become overheated in storage. Avoid prolonged storage temperature above 40°C, 90°F. This may cause increased degradation of the product, which will decrease product effectiveness. Non-refillable -or- Refill only with this product. Do not reuse or refill this container unless the directions for use allow a different (concentrated) product to be diluted in the container. **CONTAINER DISPOSAL:** Rinse and offer empty container for recycling. If recycling is not available, discard container in trash. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Discard excess or used product solution in drain with running water.

**FIRST AID. IF IN EYES:** Hold eye open and rinse slowly with water 15-20 mins. Remove contact lenses after 4 to 5 mins. and continue rinsing. Call a Poison Control Center or doctor for treatment advice. Have product container or label with you when calling a poison control center or doctor, or going for treatment.

EPA Reg. No. 82972-1 EPA Est. No. 92967-GA-001; EPA Est. No. 85804-NC-1; EPA Est. No. 45745-TN-2 (See batch code for actual establishment number.) NOTICE: Seller expressly warrants that the product conforms to its chemical description. There are no other warranties associated with sale of the product.

Manufactured by:

**VitalSOLUTIONS, LLC**

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