

RESIDENTIAL, COMMERCIAL & HOSPITAL DISINFECTANT

VitalOxide



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

**Kills Harmful Bacteria on Hard and Soft Surfaces
Inhibits Mold and Mildew on Hard Surfaces and Fabric**

Tested and Proven to Kill COVID-19, SARS-CoV-2 on hard, nonporous surfaces Tough on Germs, Easy on Surfaces
60 Seconds is All It Takes to Kill 99.999% of Bacteria 100% Biodegradable Surfactant
Sanitizes Hard and Soft Surfaces by Spot Treatment 7 in 1 Cleaner Technology
Disinfects as It Cleans[†]

AREAS OF USE INCLUDE: Homes, vehicles, schools & daycare, gyms & locker rooms, sports gear, hospitals, nursing homes, laundry rooms, pharmacies, ambulances, barber shops, laboratories, restaurants, boats, ships, federally inspected meat & poultry processing plants, egg processing premises, refrigerated storage units (empty & disconnected)[†], HVAC and AC systems including window ptac mini splits, airplanes, trains, trucks, buses & automobiles. † Use as a mold controller & mildewstat on hard non-porous surfaces and soft surfaces. †

VITAL OXIDE KILLS: Hard Surface Sanitization No Rinse Required: 60 Second Contact Time: *Escherichia coli* (ATCC 11229), *Staphylococcus aureus* (ATCC 6538) **Non-Food Contact Surface Sanitization No Rinse Required: 5 Minute Contact Time:** *Escherichia coli* (ATCC 11229), *Staphylococcus aureus* (ATCC 6538) **Sanitize Soft Surfaces: 5 Minute Contact Time:** *Staphylococcus aureus* (ATCC 6538), *Klebsiella aerogenes* (ATCC #13048) **Carpet Sanitization: 60 Minute Contact Time:** *Klebsiella aerogenes* (ATCC #13048), *Staphylococcus aureus* (ATCC 6538) **Fungicide: 10 Minute Contact Time:** *Trichophyton rubrum* ATCC MYA, *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, *Salmoneella 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 6BC, ATCCVR-125 **Disinfection Virus 5 Minute Contact Time:** Severe Acute Respiratory Syndrome-Related Coronavirus 2 (SARS-CoV-2)(COVID-19 Virus), Rotavirus, Strain WA ***; Hepatitis C Virus Bovine Viral Diarrhea Virus***; Hepatitis B Virus Duck Hepatitis***; Norovirus Feline Calcivirus***; Murine Norovirus (MNV-1)**; Swine Influenza (H1N1)**; Respiratory Syncytial virus, ATCC VR-26***; Human Immunodeficiency Virus (HIV Type 1) Strain HTLV-IIIb***; 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 Adenoid 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/Can/INY/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 (VNHSN1-PR8/CDC-RG), CDC #2006719965, Charles River Laboratories; Herpes Simplex Virus 1 (Human), Strain HF, ATCC VR-260***; Porcine Epidemic Diarrhea Virus, Strain CO 2013, USDA APHIS 025-P00D01; 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: This 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 or acidic 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 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, wheelchair, child car seats, counters, cribs, doorknobs, tables, tubs, exterior toilet surfaces, faucet handles, handrails, jungle gyms, keyboards, light switch covers, patio furniture, showers, sinks, stovetops⁴, 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 manufacturer's directions for use. Remove or 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, wheelchair, child car seats, counters, cribs, doorknobs, tables, tubs, exterior toilet surfaces, faucet handles, handrails, jungle gyms, keyboards, light switch covers, patio furniture, showers, sinks, stovetops⁴, 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. Product must come into contact with the cause of the odor to be effective. For pet urine stains in carpet, blot urine as dry as possible then saturate stain with VITAL OXIDE through carpet pad. **TO DEODORIZE OR FRESHEN CARPET:** Spray until slightly damp to eliminate (pet) odors. Product must come into contact with the cause of the odor to be effective. **TO DEODORIZE HVAC SYSTEM DUCTWORK:** 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, cockroach matter, dust mite matter, pet dander. 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. **MILDEWSTAT: 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 5 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 Immoblie 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 with spray, sponge, mop, or by immersion in solution 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. For immersion, replace solution daily, or more frequently if it becomes significantly soiled or diluted. **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. Use full strength. Apply at a rate of 2.5 oz per sq. ft. Product must come into contact with contaminate to work. Allow to dwell for 60 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:** * Fabrics*: 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. Fabric and Carpet advisory statement: Before you clean, test a small, hidden area for colorfastness and examine when dry. If color is affected, do not use. Before using this product on upholstery, look for manufacturer's cleanability code tag. Do not use on cotton or cotton blends. Not for use on clothing. **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 *Klebsiella 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 with spray, sponge, mop, or by immersion in solution and let stand 5 minutes. Wipe and allow to air dry. No rinse required. For immersion, replace solution daily, or more frequently if it becomes significantly soiled or diluted.

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.

****This product is not to be used as a terminal sterilant/high level disinfectant on any surface of instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contact intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.**

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 and away from direct sunlight. This may cause increased degradation of the product, which will decrease product effectiveness. 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. Do not transfer with metal drum pumps. 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 first 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.

***When used according to directions for disinfection, refer to the appropriate claims and use directions for this application.**

^equipment should be allowed to come to room temperature prior to treatment
EPA Reg. No. 82972-1 EPA Est. No. 82967-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:

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