

Disinfectant Applicator Training for School Employees

September 03, 2020 8:00am

Integrated Pest Management

School IPM



This Course Will....

- Provide training for school employees for safe and effective use of powered sprayers for routine disinfection that meets the requirements of Executive Order 7 FY 20/21
- After completing this course, take the quiz to certify completion of the course.

This course will cover

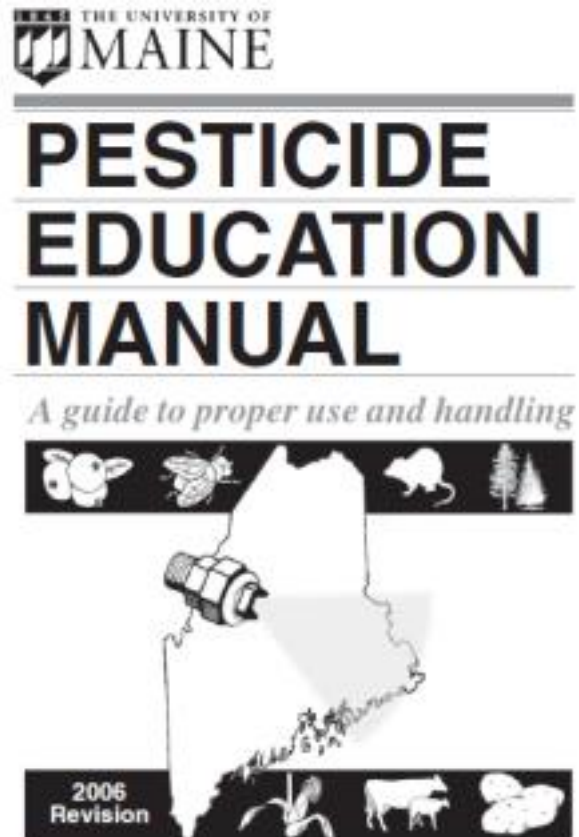
- What is allowed and not allowed under state and federal regulations.
- Executive Order 7 FY 20/21
- Cleaners, sanitizers, disinfectants: what's the difference?
- How to read and interpret the product label
- Using powered sprayers
- Resources

Maine's School Pesticide Regulations (Chapter 27 adopted 2003)

All Maine K-12 schools must:


- Adopt Integrated Pest Management (IPM) policies and procedures
- Appoint IPM Coordinator
- Keep pest management records
- Notify parents and staff and post signs for pesticide use
- Commercial pesticide applicator license required except for:
 - Hand-powered application of disinfectants for routine cleaning
 - Ready-to-use wasp spray
 - Hand-application of wood preservative

Certification & Licensing for Commercial Applicators



- **Certified Master Applicator (supervisory) must pass 4 exams:**
 - Core exam
 - Category exam
 - Regulations exam
 - Oral exam
- **Commercial Operator Applicator must pass 2 exams: Core Exam and Category Exam**

Executive Order
(EO 7 FY 20/21)
Temporary
Suspension of
Pesticide Licensing
Requirements--
Allowing Powered
Application of
Disinfectants by
School Staff for
Routine Cleaning

- Requirements
 - Applicators must complete this training and the exam
 - Records of disinfectant and sanitizer use must be kept
 - Parent and staff notification
 - Products used:
 - Must be registered in Maine
 - Must be labeled for use in powered equipment
 - Should be on EPA List N (approved for coronavirus)
- 

In Summary

Hand powered application of disinfectants and sanitizers (damp cloth or hand-pump sprayer)

- Must keep records, use only Maine registered products, follow product label

Powered applications by school staff

- Must keep records, use only Maine registered products, follow product label, label must specify powered equipment
- Complete this training and exam

All other pesticide applications (incl. disinfectants by private cleaning services or bus services)

- Commercial pesticide applicator license required. Use only Maine registered products applied according to product label.
- School and applicator must keep records

Its all About Health and Safety

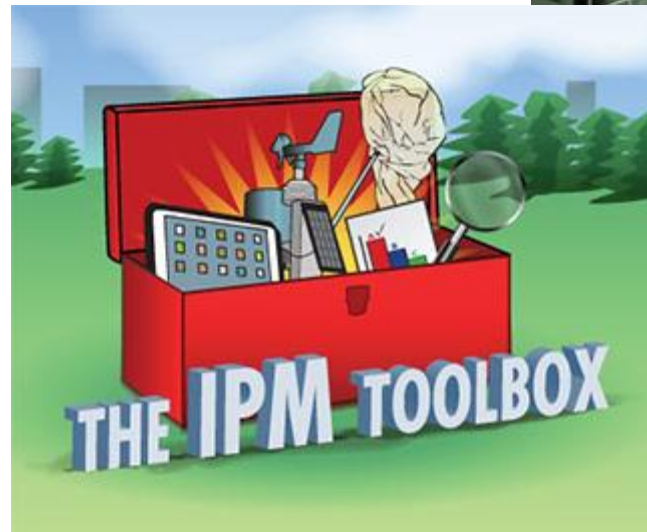
- Disinfectants pose potential **health and safety risks**
- **Powered sprayers** and misters have potential for **higher risk of exposure** to user and occupants
- Improper use poses risks to human health and environment



Sanitation is an Essential Part of Integrated Pest Management (IPM)

- Pest Prevention and Removal
- Pest Inactivation (disinfectants and sanitizers kill bacteria, viruses)

Disinfectants and application equipment are tools in the IPM toolbox

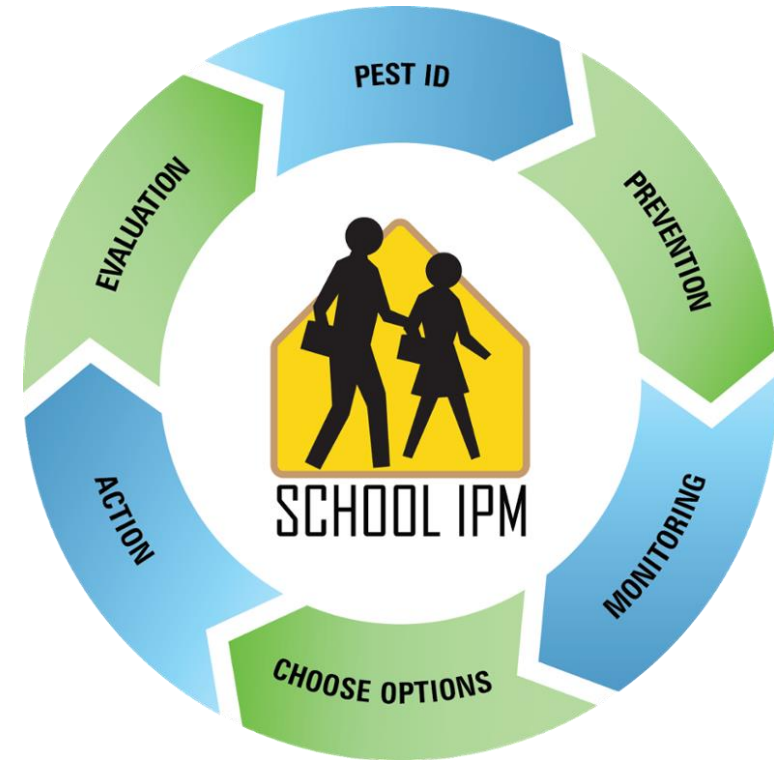


Microbial Integrated Pest Management

IPM = Best Management Practice



- **Prevent:** policy, education, maintenance and sanitation
- **Monitor and Identify** pests
- **Use Effective and Strategic Pest Control Tactics**
- **Record and Evaluate**



IPM is a Team Effort

Custodial and Maintenance: Sanitation, monitoring, pest reporting

Transportation: sanitation

Business Manager: contracts, budgeting

IPM Coordinator is the Team Captain

Contracted pest Service: monitoring, control communication

Food Service Director and Staff: pest prevention & monitoring

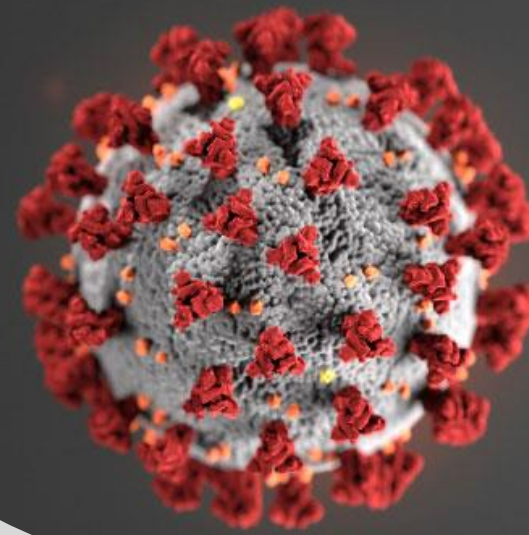
Students & Teachers: education, sanitation, monitoring



Office Staff: communication, records, scheduling

Sanitation

(Cleaning/Disinfecting/Sanitizing)
is Critical to Infection Control --
Approach it Strategically



- Identify high infection risk zones – use checklists and floor plan
- Select effective and lower risk products and supplies
- Establish protocols, schedule and training for cleaning and disinfection tasks
- Establish system-wide coordination/communication system
- Routinely evaluate your program



Use Antimicrobial Products Safely

- Select appropriate products and equipment
- Train staff to read and follow directions on label
- Pre-clean surface
- Follow the 'Contact Time' specified on label
- Wear PPE
- Keep Records
- Securely store and properly dispose

6 Steps for Safe & Effective Disinfectant Use



Step 1: Check that your product is EPA-approved

Find the EPA registration number on the product. Then, check to see if it is on EPA's list of approved disinfectants at: [epa.gov/listn](https://www.epa.gov/listn)



Step 2: Read the directions

Follow the product's directions. Check "use sites" and "surface types" to see where you can use the product. Read the "precautionary statements."

Step 3: Pre-clean the surface

Make sure to wash the surface with soap and water if the directions mention pre-cleaning or if the surface is visibly dirty.



Step 4: Follow the contact time

You can find the contact time in the directions. The surface should remain wet the whole time to ensure the product is effective.

Step 5: Wear gloves and wash your hands




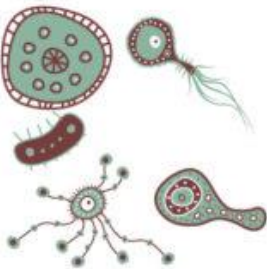

For disposable gloves, discard them after each cleaning. For reusable gloves, dedicate a pair to disinfecting COVID-19. Wash your hands after removing the gloves.



Step 6: Lock it up

Keep lids tightly closed and store out of reach of children.

Pesticides

CLEANER	SANITIZER	DISINFECTANT	VIRUCIDE	STERILANT
Aids in Soil Removal	Reduces the Number of Bacteria	Kills Fungi, Bacteria, and Viruses	Kills Viruses	Eliminates all Fungi, Bacteria Viruses, and Spores
				
Simply aids in the removal of soil from a surface. Although cleaning does remove germs from a surface, it doesn't kill them.	Lowers the number of bacteria on surfaces to levels that are considered safe by public health orgs.	Kills infectious fungi, bacteria, and viruses but not bacterial spores on hard environmental surfaces.	Destroys or irreversibly inactivates viruses in the inanimate environment.	A sterilant is used to destroy or eliminate all forms of microbial life including fungi, viruses, and all forms of bacterial spores.

Select the Right Product for the Job

Any product that claims to kill bacteria, viruses, mold, or fungi must be registered with the EPA as a pesticide.

Choose the Right Products For Your Schools



Based on:

- Effectiveness against target pest
- Safety
- Intended Use
- Product Formulation (avoid aerosols)
- Equipment required

Avoid
Hospital-
grade
Disinfectants



List N Tool: COVID-19 Disinfectants

Search for
Disinfectants
Effect against
Coronavirus:

epa.gov/coronavirus



EPA Registration Number

Active Ingredient

Use Site

Contact Time

Browse All

Keyword Search

Enter only the first two parts of the registration number (ex. 1234-12)

Show results

Search EPA's list of products for use against SARS-CoV-2, the virus that causes COVID-19, by selecting one or more of the corresponding criteria.

Products must be registered in Maine

BPC website:

www.Thinkfirstspraylast.org

Email:

pesticides@maine.gov

Call: 207-287-7616

Maine.gov Agencies | Online Services | Help | Search Maine.gov

ALERT: Stay up to date on [Maine's COVID-19 Response](#)

DEPARTMENT OF
Agriculture, Conservation and Forestry

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Division of Animal and Plant Health

Board of Pesticides Control

About Us

Information for the Public

Pest Management Resources

Licensing, Applicators and Distributors

Applicator Resources

Pesticide Registration

Water Quality Program

Pesticide Laws, Regulations & Policies

Publications & Forms

ASK the EXPERT

Board of Pesticides Control

Pesticide Certification Exam Information

- We are now contacting and scheduling exam applicants who have not yet been scheduled due to the ongoing COVID-19 emergency.
- Applicants may register for an exam via paper application only.
- To schedule a private and agricultural basic exams please call the BPC office at 207-287-2731.
- Please continue to monitor our website regarding exam applications.
- If you have any questions please contact Board staff at pesticides@maine.gov.

Disinfectants and COVID-19

- Maine Registered Disinfectants for Use Against COVID-19 - 07/24/2020 (Excel 58KB)**
Products on this list include Maine registered disinfectants that meet EPA's criteria for use against SARS-CoV-2, the novel coronavirus that causes the disease COVID-19. The list will be updated often. If you have any questions about products please contact our office at pesticides@maine.gov.
- [EPA accepted pesticides for Coronavirus COVID-19 mitigation](#) (Source: EPA)
This site provides information on EPA's criteria for determining which pesticides are listed for use against SARS-CoV-2.
- [Information on using disinfectants to control the COVID-19 Virus](#) (Source: NPIC)
Find general guidance on using disinfectants effectively. Also find steps to consider to reduce your risk when using disinfectants.
- [Respiratory Protection: Keeping Yourself Safe and Meeting Legal Requirements](#) (Source: NPSEC) - This infographic contains a helpful decision matrix for determining the need for a respirator during pesticide application. It also provides suggestions on which types of respirators will provide equivalent or better protection when a label listed respirator is unavailable.

Maine Board of Pesticides Control Website

The Next Board Meeting will be held [September 18, 2020](#)

[Board of Pesticides Control Meeting Schedule, Agendas, and Minutes](#)

[COVID-19 and Disinfectants](#)

CURRENT TOPICS

- [Browntail moth](#)
- [Rule amendments](#)
- [Cannabis](#)
- [Pollinator protection](#)
- [Aquatic herbicides](#)
- [Online portal](#)

RESOURCES

- [General Info about pesticides](#)
- [Obsolete pesticide collection](#)
- [Critical pesticide control areas](#)
- [Pesticide notification](#)
- [Publications/presentations](#)
- [Make a complaint](#)

LICENSING

- [Credit calendar](#)
- [Licensing brochure \[PDF\]](#)
- [Commercial applicators](#)
- [Private and Ag Basic applicators](#)
 - [Worker Protection Standard \(WPS\)](#)

DATA

- 2020 Non-Agricultural Pesticide Notification Registry [\[PDF or Excel spreadsheet\]](#)
- Search [For Hire Companies](#)
- Search [Commercial Applicators](#)
- Search [Maine registered products](#)

Or Search for
Maine
Registered
Products at
[www.thinkfirst
spraylast.org](http://www.thinkfirstspraylast.org)

ATTENTION: Please check the 'Last Update' date on the federal and state data. Due to the social distancing and remote work going on around the country, we expect delays in getting the most up to date data. We want everyone to stay safe out there whether it is from COVID-19 or using unregistered pesticides. If you have questions about the data displayed, please contact the US EPA or the individual state pesticide registration department. We will be working hard to keep these websites available. If you have website issues, the best way to contact us is by email at: npirs@ceris.purdue.edu.

SEARCH MAINE STATE PESTICIDE PRODUCTS

Search for pesticide products currently registered in Maine using *one* of the following methods.

EPA Registration Number:

 - -

Search by the multi-part EPA registration number. You can copy/paste the complete EPA Registration Number into any of the boxes above.

State Product Name:

Search by the full or partial name of a product registered in a state.

State Company Name:

Search by the full or partial name of a company registering products in a state.

Active Ingredient:

Search by the PC code, Chemical Abstract Services Number (CAS) or the full or partial chemical name.

Search

This Product NOT Found in Registry. NOT Registered in Maine--Cannot be used!



'Green Cleaning/Environmentally Preferable' Products

Select third-party certified institutional cleaning and disinfection products

- Green Seal (GS) – US
www.greenseal.org/
- Design for the Environment (DfE) - US EPA
www.epa.gov/dfe
- Environmental Choice (EC)/Ecologo
www.ecologo.org



Certification standards based on:

- Safety
- Effectiveness
- Environmental impact

By Law Product Label Must be Followed

- **Must follow Label instructions for:**
 - Re-entry interval
 - Contact time (how long surface must stay wet with disinfectant to be effective)
 - PPE requirements
 - Use (including application equipment)
 - Storage and disposal
 - And more
- **SDS does not provide these instructions**

EPA Reg. No. 1658-XX

EPA Est. No. 16XX-MO-1

COMPANY Y

Product-X

Disinfect-Cleaner-Sanitizer-Fungicide-Mildewstat-Virucide* –
Deodorizer for Hospitals, Institutional and Industrial Use
Effective in hard water up to 400 ppm hardness (calculated as CaCO₃)
in the presence of 5% serum contamination

ACTIVE INGREDIENTS:

Octyl decyl dimethyl ammonium chloride.....	1.650%
Dioctyl dimethyl ammonium chloride.....	0.825%
Didecyl dimethyl ammonium chloride.....	0.825%
Alkyl dimethyl benzyl ammonium chloride.....	2.200%
INERT INGREDIENTS.....	94.500%
TOTAL.....	100.000%

KEEP OUT OF REACH OF CHILDREN

DANGER

HAZARD TO HUMANS AND DOMESTIC ANIMALS

PRECAUTIONARY STATEMENTS

CORROSIVE: Causes severe eye and skin damage. Do not get into eyes, on skin, or clothing. Wear goggles or face shield and rubber gloves when handling Product X. Harmful or fatal if swallowed. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

DIRECTIONS FOR USE

Product X is a germicide, soapless cleaner and deodorant which is effective in water up to 400 ppm hardness in the presence of organic soil (5% serum). When used as directed, will not harm tile, terrazzo, resilient flooring, concrete, painted or varnished wood, glass or metals.

FOR USE IN VETERINARY CLINICS, ANIMAL CARE FACILITIES, LIVESTOCK FACILITIES AND ANIMAL QUARANTINE AREAS

Apply Product X to walls, floors and other hard (inanimate) non-porous surfaces with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. Prepare a fresh solution daily or when use solution becomes visibly dirty.

DISINFECTION - To disinfect hard surfaces, use 1 fluid ounce of Product X per gallon of water. Apply by immersion, flushing solution over treated surfaces with a mop, sponge or cloth to thoroughly wet surfaces. Allow treated surfaces to remain moist for at least 15 minutes before wiping or rinsing. Product X will disinfect hard, non-porous surfaces in veterinary clinics, animal care facilities, livestock facilities and animal quarantine areas.

For heavily soiled areas, a preliminary cleaning is required.

2 oz. gallon use-level. The activity of Product X has been evaluated in the presence of 5% serum and 400 ppm hard water by the AOAC use dilution test and found to be effective against a broad spectrum of gram negative and gram positive organisms as represented by:

<i>Pseudomonas aeruginosa</i>	<i>Enterobacter aerogenes</i>
<i>Staphylococcus aureus</i>	<i>Streptococcus faecalis</i>
<i>Salmonella choleraesuis</i>	<i>Shigella dysenteriae</i>
<i>Escherichia coli</i>	<i>Brevibacterium ammoniagenes</i>
<i>Streptococcus pyogenes</i>	<i>Salmonella typhi</i>
<i>Klebsiella pneumoniae</i>	<i>Serratia marcescens</i>

Boot bath: Use 1.5 fluid ounces per gallon in boot baths. Change solution daily and anytime it becomes visibly

Read the Label

Look for:

- EPA registration number
- Target pests
- Site (can it be used in schools?)
- Signal Word
- Precautionary statements and PPE requirements
- Use Instructions and Equipment (can it be used in misting or fogging devices?)
- Storage and disposal instructions

EPA Reg. No. 1658-XX

EPA Est. No. 16XX-MO-1

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DIRECTIONS FOR USE

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FOR USE IN VETERINARY CLINICS, ANIMAL CARE FACILITIES, LIVESTOCK FACILITIES AND ANIMAL QUARANTINE AREAS

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DISINFECTION - To disinfect hard surfaces, use 1 fluid ounce of Product X per gallon of water. Apply by immersion, flushing solution over treated surfaces with a mop, sponge or cloth to thoroughly wet surfaces. Allow treated surfaces to remain moist for at least 15 minutes before wiping or rinsing. Product X will disinfect hard, non-porous surfaces in veterinary clinics, animal care facilities, livestock facilities and animal quarantine areas.

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<i>Escherichia coli</i>	<i>Brevibacterium ammoniagenes</i>
<i>Streptococcus pyogenes</i>	<i>Salmonella typhi</i>
<i>Klebsiella pneumoniae</i>	<i>Serratia marcescens</i>

Boot bath: Use 1.5 fluid ounces per gallon in boot baths. Change solution daily and anytime it becomes visibly

SIGNAL WORDS on Product Label Indicate Risk Level

No Signal Word – Lower Toxicity

CAUTION - Slightly Toxic

WARNING – Moderately Toxic

DANGER – Highly Toxic

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



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 6279) Disinfection Bacteria 10 minute contact time: Pseudomonas aeruginosa ATCC 15442, Acinetobacter baumannii ATCC 19696, Staphylococcus aureus MRSA ATCC 33592, Listeria monocytogenes ATCC 15313, Legionella pneumophila ATCC 33153, Salmonella enterica ATCC 18708, Staphylococcus aureus ATCC 6538, Klebsiella pneumoniae (NEM-1) ATCC BAA-2146, Escherichia coli ATCC 12228, Bordetella bronchiseptica ATCC 10580, Mycobacterium bovis-BCG, Penicillin-Resistant Staphylococcus pneumoniae, ATCC 700677, Chlamydia psittaci, Strain 66C, 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 **, Marine Norovirus (MNV-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 **, Herpesvirus (Prosop 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-780919, ATCC VR-2016 **, Canine adenovirus 1, Strain Utrecht, ATCC VR-293 **, Feline Herpesvirus 1 Strain C-27, ATCC VR-636 **, Feline coronavirus, Strain WSU 79-1853, ATCC VR 998 **, Canine coronavirus Strain 1-71, ATCC VR-809 **, Canine Influenza (H3N8) virus, Strain A/Ca/MY/105913/08, Cornell University **, Feline Infectious Peritonitis Virus, Strain WSU 79 1146, ATCC VR-990 **, Feline panleukopenia virus, Strain Philge-Roxane, ATCC VR-648 **, Rabies Virus, Strain Flury (HEP), ATCC VR-138 **, Avian Influenza (H5N1) Virus (VN45N1-PR8)(DC-86), CDC #2006719965, Charles River Laboratories, Herpes Simplex Virus 1 (Human), Strain HF, ATCC VR-260 **, Porcine Epidemic Diarrhea Virus, Strain CD 2013, USDA APHIS 825-PD0001, Porcine Reproductive and Respiratory Syndrome Type 2 Virus, Strain MWSL (North America) MWSL 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



Fiberlock

Appropriate Product for Schools? **NO!**



Active Ingredients:
Ammonium Chlorides
5%
Higher asthma risk

2000

DISINFECTANT, CLEANER, *VIRUCIDE,
DEODORIZER, FUNGICIDE, MILDEWSTAT

ACTIVE INGREDIENTS

Alkyl (60% C ₁₄ , 30% C ₁₂ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides.....	2.25%
Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides.....	2.25%
INERT INGREDIENTS	95.50%
Total.....	100.00%



NET CONTENTS: 1 Gallon
EPA REG. NO. 1839-95-73884 EPA Est. No. 8325-PA-01

KEEP OUT OF REACH OF CHILDREN
DANGER: See side panel for additional
precautionary statements

Signal Word
High toxicity



FIRST AID Have the product container or label with you when calling a poison control center or doctor, or going for treatment. If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue	rinsing eye. Call a poison control center or doctor for treatment advice. If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice. If swallowed: Call poison control center or doctor	immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give	artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.
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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 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 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-B0G 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. **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 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 Immovable 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 contaminate 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 onestep 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 temperature above 40°C, 90°F. This may cause increased degradation of the product, which will decrease product effectiveness. Non-refillable container unless the directions for use allow a different (concentrated) product to be diluted in the container. **CONTAINER DISPOSAL:** Rinse and 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. Disposal instructions are on the back of the container.

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.

Directions for Use

- Do not mix with vinegar or acidic cleaners.
- Pre-Cleaning Instructions: Remove visible soil by cleaning.
- Fogging and Misting: can be applied by fogging or misting to disinfect hard non-porous surfaces.
- To Disinfect hard and non-porous surfaces: Apply product full strength to precleaned surface, wetting thoroughly with spray, sponge, mop, or immersion. Allow surfaces to remain wet for 10 minutes.

Contact
(Dwell) Time

EPA Reg. No. 82972-1 EPA Est. No. 9296
(See batch code for actual establishment
conforms to its chemical description. The

Manufactured by:

VitalSOLUTIONS, LLC

P.O. Box 9932, West Palm Beach, FL 33419

Customer Service: 1-800-303-5405

www.vitaloxide.com



Apply (or reapply) enough Product to Stay Wet for the Duration of the Contact Time Specified on Label

Surface must stay wet with disinfectant for specific amount of time to be effective



Examples:

Common Liquid Disinfectants		Usage Requirements	
Category	Example	Dilution	Contact Time (mins)
Quaternary Ammonium Compounds	Vindicator+	0.1-2%	10-30
	Lysol I.C.	1:256	10
Phenolics	Hil-Phene	1-5%	10-30
Chlorine	Clorox	5-10%	10-30
Iodophors	Wescodyne	0.5-10%	10-30
Ethyl Alcohol		70-85%	10-30
Iso propyl Alcohol		70-85%	10-30
Formaldehyde	Sterac	0.2-8%	10-30
Glutaraldehyde	Cidex	2%	10-30

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**



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* (NEM-1) ATCC BAA-2146, *Escherichia coli* ATCC 11229, *Bordetella bronchiseptica* ATCC 10580, *Mycobacterium bovis*-BCG, Penicillin-Resistant *Streptococcus pneumoniae*, ATCC# 700677, *Chlamydia psittaci*, Strain 68C, ATCC#VR-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 **, Marine Norovirus (MNV-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 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 986 **, Canine coronavirus Strain 1-71, ATCC VR-809 **, Canine Influenza (H3N2) virus, Strain A/Ca/MY/105813/08, Cornell University **, Feline Infectious Peritonitis Virus, Strain: WSU 79 1146, ATCC# VR-660 **, Feline parvovirus virus, Strain Philips-Roxane, ATCC VR-648 **, Rabies Virus, Strain Flury (HEP), ATCC VR-138 **, Avian Influenza (H5N1) Virus (VWSN1-PRB/CDC-06), CDC #2006719965, Charles River Laboratories, Herpes Simplex Virus 1 (Human), Strain HF, ATCC VR-260 **, Porcine Epidemic Diarrhea Virus, Strain CD 2013, USDA APHIS 025-PDV001, Porcine Reproductive and Respiratory Syndrome Type 2 Virus, Strain NWSL (North America) NWSL 131 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



No PPE listed.

Minimum PPE
is
recommended:
goggles,
gloves, long
pants, long
sleeves

Protect Yourself

- Follow Product Label Directions
- Wear at least minimum PPE (rubber gloves, goggles, long sleeves, long pants, shoes, socks)

Personal Protective Equipment

• Clothing



• Eye Protection



• Gloves



Application Equipment

Non-Powered Equipment

- Bucket and cloth or sponge
- Trigger Spray Bottle
- Pump Sprayer

Powered Equipment

- Electrostatic Sprayers (follow manufacturers instructions)



Hand-powered versus Motor-powered Spray Applications

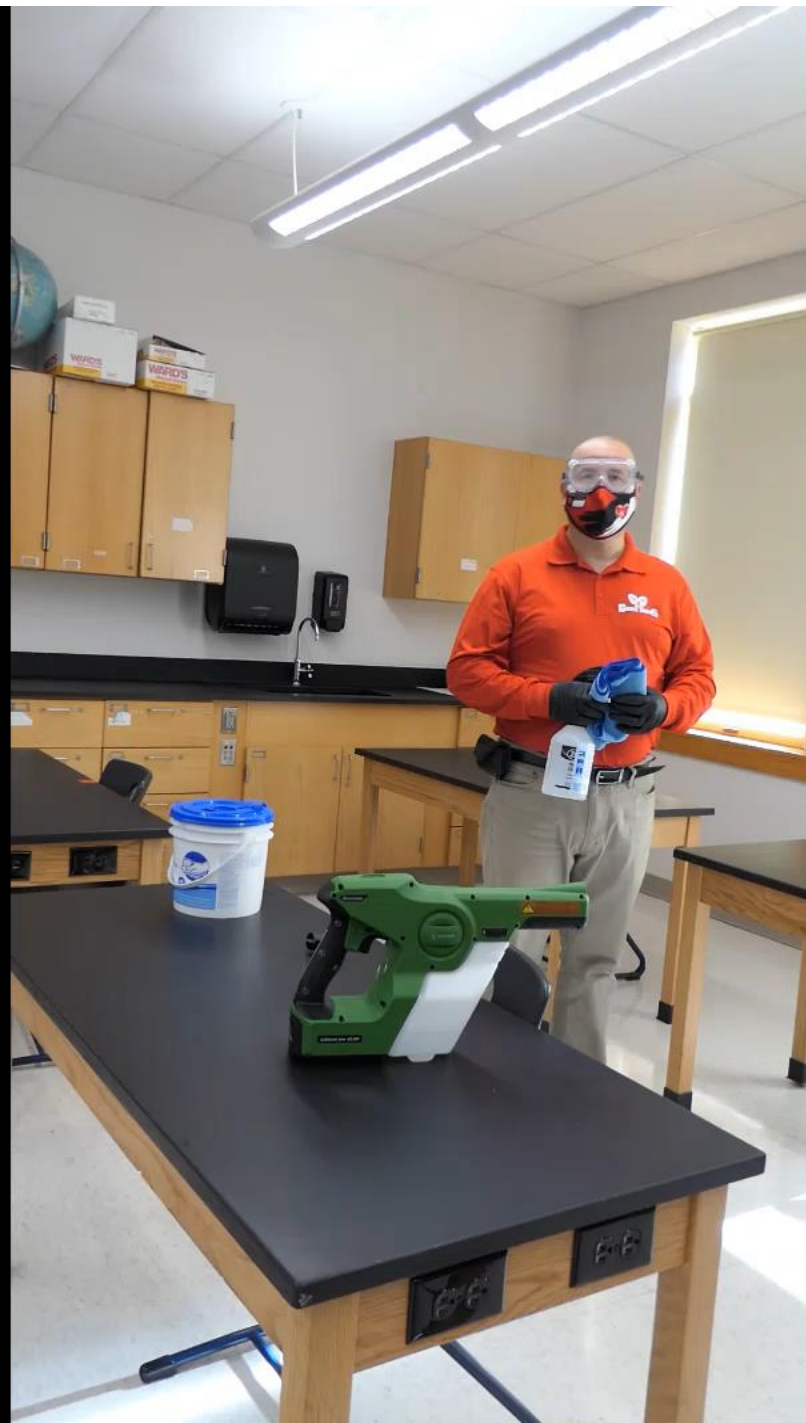
- Hand-pump sprayers produce larger, heavier droplets. Reduced chemical inhalation risk
- Motor-driven sprayers can produce smaller droplets that can float in air and be more easily inhaled.

Degree of Atomization	Droplet Size (Microns)	Relative Size Related to Common Objects
Fog	Up to 25	Point of a Needle (25 Microns)
Fine Mist	20-100	Human Hair (100 Microns)
Fine Drizzle	100-250	Sewing Thread (150 Microns)
Heavy Drizzle	250-500	Toothbrush Bristle (300 Microns)



Pre-Clean then Disinfect

Starring Jon Stonier,
Augusta School Dept



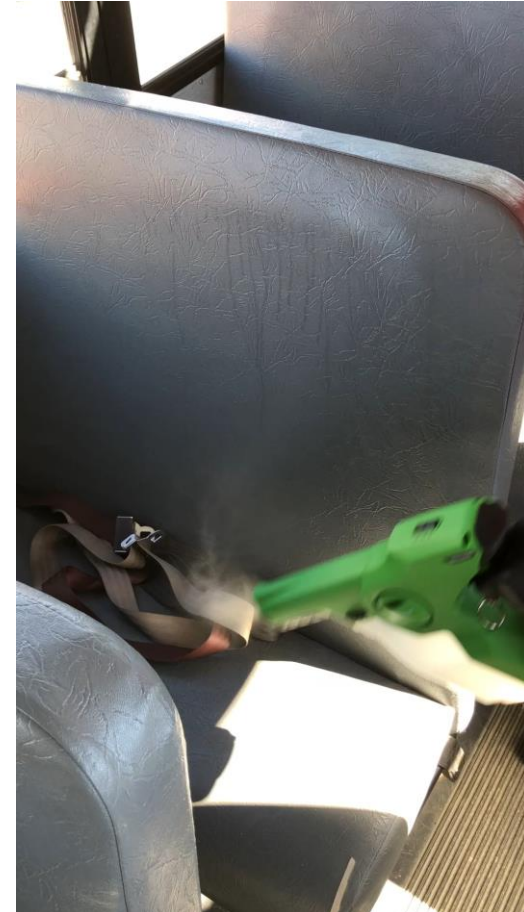
Preclean with
cleaning product

Apply enough (or
reapply)
disinfectant for for
surface to stay
wet for contact
time specified on
label (in this case
10 mins)

Work from back of
room to exit

Treat Frequently Touched Surfaces

- Light switches
- Faucets
- Desk and counter tops
/ edges
- Push plates



Work in Ventilated Area

- Open windows/doors
- Ensure ventilation system is operational
- Work your way back out of sprayed area



Safely Handle, Mix and Store Disinfectants

- Secure ventilated area for mixing and storage
- Flat, stable, impermeable surface for mixing and filling sprayer tank
- Spill prevention: place tray or pan underneath. Don't flush or allow drainage into waste-water.



Record-Keeping is Critical

- All schools must keep a Pest Activity Log current for past 2 years
- Serves as a communication, planning and evaluation tool
- Record pest activity, actions taken, pesticide applications, documentation of IPM notices
- **MUST KEEP DISINFECTANT APPLICATION RECORDS under new Executive Order**
- Sample record forms available at:
www.maine.gov/schoolipm



You Must Keep Records

School Pesticide Applicator Log for Powered Disinfectant Applications

Date	Start Time	Finish Time	Location/Site of Treated Area	Size of Treated Area	Target Pest	Amount Pesticide & Diluent Applied	Rate Description			Application Method	Product Trade Name & EPA Registration Number
							Undiluted	Mix	Mix Ratio		
9/1/2020	7:00 am	7:35 am	All west wing classrooms and breakroom	2500 ft ³	Sars-Cov-2 <small>(covid19)</small>	1.25 quarts	1.25 quarts	N/A	N/A	Victory hand-held electro-static sprayer	Vital Oxide 82972-1

EXAMPLE

Record Keeping – Product Information Key

Brand Name	Active Ingredient(s)	EPA Registration Number	Restricted Entry Interval and/or Air Concentration Level
Vital Oxide	Chlorine Dioxide Alkyl dimethyl benzyl ammonium chloride Alkyl dimethyl ethylbenzyl ammonium chloride	82972-1	20 minutes minimum with fogger
	<i>EXAMPLE</i>		

Keep Summary Record of Disinfectant Applications in Pest Activity Logbook (use 'Sample Page 3 Pesticide Application' at www.maine.gov/schoolipm)

Site: example: all frequently touched surfaces in buses, classrooms, cafeteria, and service areas

1) **What is the pest?** How was the pest identified? example: Covid-19 identified as a public health concern statewide by ME CDC.

2) **How was it determined that a pesticide application was necessary?** Include information about the safety, economic or aesthetic threshold reached (see Chapter 27 section 5C) example: COVID-19 and other human pathogens spread by human activity require regular, routine disinfection and sanitization of frequently touched surfaces with general use antimicrobial products.

3) Application information:

Dates 01 September 2020 through 25 June 2021 Applicator Names see attached list of authorized applicators

Product Trade Name VitalOxide **EXAMPLE** Applicators have completed BPC training? (check) see attached list of staff authorized to use powered equipment for disinfection

EPA Reg # _____ School Name _____

Specific Locations) eg all frequently touched surfaces

4) **Describe how applied** example: sprayed switches, desks, faucets, toilets, knobs and counters with electrostatic sprayer for 30 seconds to ensure surfaces stayed wet for 10 mins as required on product label)

Record Keeping

- Sample Disinfectant Application Record Form (on-site record eg. for classrooms, bus garage, custodial closet)
- Sample Pesticide Application Form (summary record for Pest Activity Log kept by IPM Coordinator)

Sample Record Forms Available

School IPM Regulations

All public and private schools serving any grades K-12 are required to adopt an IPM policy and implement IPM practices.

[Chapter 27—Standards for Pesticide Application and Public Notification in Schools](#) [Word]

- IPM Compliance Checklist [\[PDF\]](#)

Requirements include the following:

- **Policy:** Adopt an IPM policy. Sample IPM policy [\[PDF\]](#) or [\[Word\]](#)
- **Notices:** IPM notice must be published in the school's policy manual or handbook. [Customizable template](#) [Word]
 - Planned Pesticide Application Notice: Send this notice to parents and staff five working days in advance of pesticide applications (unless exempted).
 - [Pesticide Application Notification Template](#) [Word]
 - Planned Pesticide Application Signs: Signs must be posted at least two days in advance of pesticide applications (unless exempted).
 - [Indoor Pesticide Application Sign](#) [PDF]
 - [Outdoor Pesticide Application Sign](#) [PDF]
- **Report:** Name and contact information of IPM Coordinator must be reported annually by September 1, via Department of Education [NEO](#) system. Log in to [NEO](#), then use the pull-down menu to identify the IPM Coordinator in the Staff Certification Report. For assistance with [NEO](#) or to report more than one coordinator per school system contact [NEO Helpdesk](#) by [email](#) or phone: 207-624-6896.
- **Record Keeping:** Schools must make available upon request [specific information and records](#) including a ['Pest Management Activity Log'](#) which includes pesticide application records and documentation of all requirements associated with pesticide applications including advance parent and staff notification and signage when required.
 - [Step-by-step guide](#) for assembling your Pest Management Activity Logbook.
 - Sample Page 1: Monitoring/IPM [\[PDF\]](#) or [\[Word\]](#)
 - Sample Page 2: Trap and Bait Station Monitoring [\[PDF\]](#) or [\[Word\]](#)
 - Sample Page 3: Pesticide Application [\[PDF\]](#) or [\[Word\]](#)
- **Training:** IPM Coordinator must complete [required training](#)

FEATURED LINKS

[Tools, Templates, and Tips](#)

[Pest Solutions](#)

[Training and Events](#)

[Newsletters](#)

[Additional Resources](#)

[Contact Us](#)

Record
Keeping
Forms

Effective Communication is Key

- Record-keeping
- Training
- Notification*
- Signage*



Notification Requirement for Powered Sprayer Use

Executive Order 7 states:

'adequate notice must be provided in policy handbooks and made available upon request'

- Include statement about powered disinfection in policy handbooks (student and staff handbooks)
- If policy manuals are already published, we recommend providing notice via backpacks, mail, telephone, website.



Office of
The Governor

No. 7 FY 20/21
DATE August 26, 2020
Corrected

AN ORDER REGARDING PRE-K-12 EDUCATION

WHEREAS, I proclaimed a state of emergency on March 15, 2020 and renewed states of emergency on April 14, 2020, May 13, 2020, June 9, 2020, July 8, 2020 and August 5, 2020 to authorize the use of emergency powers in order to expand and expedite the State's response to the serious health and safety risks of the highly contagious COVID-19 virus; and

Resources:

National Pesticide Information Center

www.NPIC.ORST.edu

Videos

Fact Sheets

& More

Pesticide-Related Videos

Reducing Disinfectant Exposures in the Workplace (22:40)



The video player interface features a main video thumbnail on the left showing a person in a white shirt and blue gloves using a spray wand in a modern office hallway. The NPIC logo is visible on the wall. A play button is centered over the thumbnail. To the right is a vertical sidebar with three smaller images: the top one shows hands being washed, the middle one shows a hand holding a spray nozzle, and the bottom one shows a hand dipping a cloth into a yellow container. The sidebar includes 'Watch later' and 'Share' icons.

Learn more about [Disinfectants!](#)

US CDC COVID-19 Guidance for Schools

Coronavirus Disease 2019 (COVID-19)

CDC > Coronavirus Disease 2019 (COVID-19) > Communities, Schools & Workplaces
> Disinfecting Your Facility



🏠 Coronavirus Disease 2019 (COVID-19)

Symptoms & Testing +

Prevent Getting Sick +

Cleaning and Disinfection for Community Facilities

Interim Recommendations for U.S. Community Facilities with Suspected/Confirmed Coronavirus Disease 2019 (COVID-19)

Cleaning And Disinfecting Your Facility

Everyday Steps, Steps When Someone is Sick, and Considerations for Employers

How to clean and disinfect

Wear disposable gloves to clean and disinfect.

Clean

- **Clean surfaces using soap and water.** Practice routine cleaning of frequently touched surfaces.

High touch surfaces include:

Tables, doorknobs, light switches, countertops, handles, desks, phones, keyboards, toilets, faucets, sinks, etc.

Disinfect

- Clean the area or item with soap and water or another detergent if it is dirty. Then, use a household disinfectant.



- **Diluted household bleach solutions may also be used** if appropriate for the surface. Check to ensure the product is not past its expiration date. Unexpired household bleach will be effective against coronaviruses when properly diluted.

Follow manufacturer's instructions for application and proper ventilation. Never mix household bleach with ammonia or any other cleanser.

Leave solution on the surface for **at least 1 minute**

To make a bleach solution, mix:

- 5 tablespoons (1/3rd cup) bleach per gallon of water

OR

Resources

- MDACF: <https://www.maine.gov/dacf/covid19/>
- NPIC: <http://npic.orst.edu/> [1.800.858.7378](tel:18008587378) npic@ace.orst.edu
- BPC thinkfirstspraylast.org , 207-287-2731, pesticides@maine.gov
- EPA: epa.gov/coronavirus (searchable database of disinfectants)
- US CDC: cdc.gov (cleaning/disinfecting guidance)
- County Cooperative Extension offices
- Northern New England Poison Center 800 222 1222 , text msg: 85511

Maine School IPM Program

Maine Department of Agriculture, Conservation and Forestry

- Templates
- Training (incl. recording of this webinar)
- Tools
- Guidelines
- Newsletter
- Consultation
- Pest Identification

schoolipm@maine.gov

207-215-4793

www.maine.gov/schoolipm

The screenshot shows the website for the Maine Department of Agriculture, Conservation and Forestry. The header includes the department name and navigation links like 'Contact Us', 'Get Email/SMS Updates', 'News', and 'Online Services'. A breadcrumb trail reads: 'DACF Home → Bureaus & Programs → Division of Animal and Plant Health → Integrated Pest Management → School IPM'. The main content area is titled 'Integrated Pest Management' and 'School IPM'. It features a large image of a school building with the text 'School IPM: Dedicated to reducing risks of pests and pesticides in Maine Schools'. Below the image is a red banner with the link 'School IPM: COVID-19/Microbial Control and Pest Prevention'. A sidebar on the left lists various programs, with 'Integrated Pest Management (IPM)' highlighted. On the right, there is a sign-up box for 'RECEIVE SCHOOL IPM NEWS!' and a section titled 'WHO'S YOUR IPM COORDINATOR?' with a search hint and a report link.

Last Step: Complete the Quiz

- www.maine.gov/schoolipm: Covid-19/ Microbial Control

- Or Click [Here](#)

- Or use this QR code:



Integrated Pest Management

School IPM



[School IPM: COVID-19/Microbial Control and Pest Prevention](#)

What is IPM?

Integrated pest management (IPM) is a common-sense, sustainable approach to preventing and managing pests. IPM enables schools to manage pests through regular pest monitoring, effective communication, good facilities management,

Powered Equipment

NEW! Governor's Executive Order 7 FY 20/21 exempts school employees from pesticide applicator licensing requirements for the use of powered sprayers to apply disinfectants and sanitizers in the course of routine cleaning if the following requirements are met:

1. School employees using powered equipment must complete [Disinfectant Applicator Training](#). View Recorded Webinar. After viewing the Disinfectant Applicator Training webinar **take the exam [HERE](#)**.
2. Products applied by powered equipment must be:
 - Labeled for use with powered equipment
 - Registered by the [Board of Pesticides Control](#)
 - [Approved by EPA for use against SARS-CoV-2](#) (COVID-19)
3. Schools must keep detailed [records](#) of applications.

Thank YOU!



Questions?