



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 11, 2019

Georgia Anastasiou  
Agent  
Halosil International Inc.  
c/o Lewis & Harrison  
122 C St. NW  
Suite 505  
Washington, DC 20001

Subject: Label Amendment – Updating the directions for use  
Product Name: HaloHPC  
EPA Registration Number: 84526-2  
Application Date: 01/31/2018  
Decision Number: 538179

Dear Ms. Anastasiou:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

Page 2 of 2  
EPA Reg. No. 84526-2  
Decision No. 538179

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

The primary brand name of the product has changed to "HaloHPC".

If you have any questions, you may contact Aline Heffernan at 703-347-8602 or via email at [heffernan.aline@epa.gov](mailto:heffernan.aline@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Zeno Bain", with a horizontal line extending to the right.

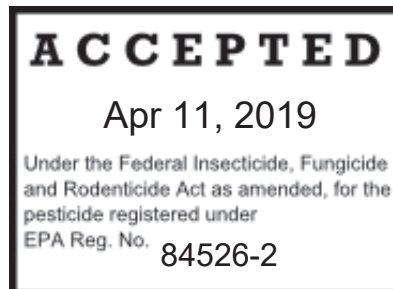
Zeno Bain, Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Stamped Label

(Note: **Bold, italicized text** is information for the reader and is not part of the label).

# HaloHPC

Bactericide-Fungicide-Virucide\*  
For Hospital/Institutional/  
Industrial/Animal Facility/Farm Use  
General Disinfectant Concentrate



Active Ingredients:  
Hydrogen Peroxide.....50.0%  
Silver.....0.1%  
Other Ingredients.....49.9%  
Total.....100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

See [back] [side] [right] [left] panel for additional precautionary statements.

Net Contents: (as indicated on container)

EPA Reg. No. 84526-2

EPA Est. No. (as indicated on container)

[See bottom or side for Lot/Data code]

Questions? Comments? [symbol of telephone]

Call: +1-302-454-8102

[or] Visit us at ([www.Halosil.com](http://www.Halosil.com))

Made in USA

Distributed by: HalosilInternational, Inc., 91 Lukens Drive, New Castle, Delaware 19720

[or an authorized HalosilInternational distributor (insert name)]

For emergencies call CHEMTREC® 1-800-424-9300

**Optional Marketing Claims; (note that these claim may or may not appear on the commercial label: in addition, the claims may be used as bullet points or in a paragraph format)**

**Miscellaneous Claims**

Introductory

New *(this claim will only be used for the first six months after commercial introduction)*

(Unscented)

(Scent free)

Bleach (Chlorine) (Bleach and Chlorine) free (formula) (technology)

Alcohol free (formula) (technology)

Contains no phosphorous (compounds)

Dries quickly

Dual Action (active) (system) (formula)

Everyday formula

Effective

Modern (Classic)

On-the-go

The (disinfectant) (sanitizer) for the new era.

Deodorizes sponges

Contains hydrogen peroxide, which breaks down into water and oxygen.

**General Product Performance/UsageClaims**

(Bactericidal) (Bactericide) (Disinfectant) (Disinfects) [Daily] [Multi-Action] (Multi-Purpose)

(Multi-Room) (Multi-surface) (Disinfectant) (Sanitizer) (Virucidal\*) (Virucide\*)

HaloHPC can be used on bathroom and shower surfaces, walls, floors, tile, fiberglass and plastic.

Controls kitchen odors caused by (insert bacteria) (bacteria)

Controls pet odors caused by (bacteria)

(This product) Deodorizes by killing (many) (bacteria) that cause odors.

Deodorizing by killing odor-causing (bacteria) at their source

Eliminates (removes) odors (caused by) (bacteria)

Gets rid of odors by killing the (bacteria) (that cause them)

Gets to the heart of odors

Helps prevent the build-up of odors by killing odor-causing bacteria (on hard non-porous non-food contact surfaces)

Odor fighter

Perfect for eliminating your toughest odors at their source

(This product) Eliminates odors at their source

(This product) prevents odors at their source caused by (bacteria)

To eliminate odors use (this product) around (insert use sites) (insert use surfaces){insert use sites)

### **General Product Performance/Usage Claims - continued**

Disinfects hard non-porous non-food contact surfaces (such as) (insert use sites)

Disinfects\*\* (insert use sites) (and) (insert use surfaces)

For use in hospitals as a (disinfectant)

For use (on) (in) (insert use sites)(insert use surfaces)\*\*

For use in institutional, animal care, restaurants, food-handling establishments and industrial facilities.\*\*

For use on hard, non-porous surfaces located in: (insert use sites)

Great for spot disinfection (target performance)

Simply spray (this product) on hard nonporous surfaces This product disinfects sanitizes and deodorizes the following surfaces (insert use surface)

This product disinfects and sanitizes the following areas (insert use sites)\*\*

Treats, does not cover up (No need to rinse after use) as a sanitizer and disinfectant

Use on hard to reach areas (like nooks and crannies)

Use this product (in) (under) (around) (on) (insert use site)

Use this product (on) (insert use surfaces)

*\*\*for use on hard non-porous, non-food contact surfaces.*

### **Specific Sanitizing Claims**

An effective sanitizer for non-food contact surfaces (for use in (insert use sites))

(Sanitizer)

Great for use as a non-food contact surface sanitizer in (insert use sites).

Kills (Destroys) (Eliminates) 99.9% of bacteria

Kills (Destroys) (Eliminates) 99.9% of bacteria on hard, non-porous surfaces

Kills (Destroys) (Eliminates) 99.9% of bacteria on hard, non-porous (kitchen\*\*\*\*)(bathroom) (surfaces).\*\*\*\*non-food contact

Kills 99.9% of antibiotic-resistant bacteria<sup>†</sup> †methicillin-resistant *Staphylococcus aureus* (MRSA)

Kills 99.9% of bacteria on hard, non-porous, non-food contact surfaces.

### **Specific Disinfecting Claims**

(Controls)(Kills) odor-causing (bacteria)

Disinfection Control (Formula)

Disinfects (sanitizes) and deodorizes by killing bacteria and controlling their odors.

(Salmonella) (Staph) (MRSA<sup>†</sup>) (Enterobacter aerogene) control <sup>†</sup>Methicillin Resistant

Staphylococcus aureus

Effective against (bacteria)

Eliminates bacteria (viruses\*\*) (and) (odors) on hard non porous surfaces that you (and) (your

family) (your children) come into contact with everyday

Fights (and) (kills) odors

(Bacteria) (Virus\*) (killer) )(eliminator)

Kills antibiotic resistant bacteria<sup>†</sup> <sup>†</sup>Methicillin Resistant Staphylococcus aureus (MRSA)

Kills (Eliminates) (of) (bacteria) on hard non porous surfaces

Kills (bacteria) (eliminates odors) (and) (deodorizes)

Kills (bacteria) (whenever) you need it

Kills (bacteria) on hard non porous, nonfood contact surfaces

On hard, non-porous, non-food contact surfaces this product kills bacteria

(This product) (controls) (kills) the (bacteria) that cause unpleasant odors (at the source),

(This product) (helps) reduce cross contamination between treated surfaces

of (antibiotic resistant bacteria<sup>†</sup> <sup>†</sup>Methicillin Resistant Staphylococcus aureus) (on hard, non-porous surfaces)

(This product) (helps) (aids) in the reduction of cross contamination between treated

surfaces of (antibiotic resistant bacteria<sup>†</sup> <sup>†</sup>Methicillin Resistant Staphylococcus

(on hard, non-porous surfaces)

(

(This product) kills the (bacteria) that cause (bad) odors

(This product) kills bacteria on hard non porous, nonfood contact surfaces in your home and in

public places.

### ***H1N1 Claims:***

Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by influenza A virus.

This product is a broad-spectrum hard surface disinfectant that has been shown

to be effective against influenza A virus (H5N1) (influenza) (flu virus) (Strain VNH5N1-

PR8/CDC-RG CDC #2006719965) and is expected to inactivate all influenza A viruses including

Pandemic 2009 H1N1 (formerly called swine flu).

This product has demonstrated effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 influenza A virus.

This product has demonstrated effectiveness against influenza A virus (H5N1) (influenza) (flu virus) (Strain VNH5N1-PR8/CDC-RG CDC #2006719965) and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).

-Kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu).

-Kills Pandemic 2009 H1N1 influenza A virus.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using the product.

Preparation of Use Solution: Dilute 1 part of HaloHPC with 9 parts water (1:9)

Prior to disinfection or sanitization, preclean the target surface. Apply the use-solution to hard, nonporous surfaces, thoroughly wetting surfaces with a sprayer.

Spray 6-8 inches from the surface.

To Disinfect: Let stand for ten (10) minutes (to air dry) (rinsing not required). The surface must remain visibly wet for the contact time. (If desired) (wipe with) (paper towel) (clean dish towel) (or) (absorbent material).

To Sanitize: Let stand for 5 (five) minutes (to air dry) (rinsing not required). The surface must remain visibly wet for the contact time. (If desired) (wipe with) (paper towel) (clean dish towel) (or) absorbent material).

To Deodorize: Spray on surfaces as needed (let air dry)

Do not use on polished wood, painted surfaces, leather, rayon fabrics, or acrylic plastics.

**Refilling or Spray Bottles**

To refill (spray bottles):

1. (Remove) Remove trigger sprayer (or) cap from empty bottle
2. (Pour) Unscrew cap on refill and pour contents directly into empty bottle.
3. (Use) Replace trigger sprayer and use as you normally would (or) unscrew cap and transfer your trigger to this bottle.

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 ON PRECLEANED ENVIRONMENTAL SURFACES/ OBJECTS SOILED WITH BLOOD/BODY FLUIDS:** In health care settings or other settings where there is an expected likelihood of soiling inanimate surfaces/ objects with blood or body fluids, and where the 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) (AIDS Virus) the following special procedures must be used. **PERSONAL PROTECTION:** When handling items soiled with blood or other body fluids wear protective equipment, including disposable latex or rubber gloves, gowns, masks, and eye coverings. **CLEANING PROCEDURE:** Blood or other body fluids must be thoroughly cleaned from the soiled surfaces and objects before product can be applied. **CONTACT TIME:** To kill HIV-1 (AIDS Virus), a contact time of 10 minutes at room temperature. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

## ***Organisms***

The HaloHPC use-solution kills the following bacteria and viruses:

### Bacteria:

*Pseudomonas aeruginosa* (*Pseudomonas*) (ATCC 15442)

*Staphylococcus aureus* (*Staphylococcus*) (*Staph*) (ATCC 6538)

*Salmonella enterica* (*Salmonella*) (ATCC 10708)

† *Methicillin Resistant Staphylococcus aureus* (*Staph*) (*MRSA*) (ATCC 33592)

*Enterobacter aerogenes* (ATCC 13048)

*Escherichia coli* (*E coli*) (ATCC 11229)

### \*Viruses

Human Immunodeficiency Virus type 1 (HIV) (Strain HTLV-III□)

Influenza A strain Hong Kong (flu virus) (ATCC VR-544)

Influenza A (H5N1) (influenza) (flu virus) (Strain VNH5N1-PR8/CDC-RG CDC #2006719965)

Rhinovirus type 37 (*Rhinovirus*) (ATCC BR-1147, Strain 151-1)

### Fungi

*Trichophyton mentagrophytes* (ATCC 9533)



## SURFACES

***Use Sites: (Graphic — depicting use-site)***

**[FOR USE ON:] Hard Non-porous, non-food contact surfaces [in]:**

Airplane	Den	Laundry Room	Public telephone (booths)
Airports	Dental Office	Litter boxes	Recreational centers or facilities
Amusement parks	Dining halls	Living Room	Rest stops
Attic (damp)	Dining Room	Libraries	Restaurant(s)
Athletic [recreational] facilities	Dorm(s) [lockers]	Locker rooms	Retail/wholesale establishments
Automobile	Dormitories	Lodging establishments	Retail businesses
Barber shops	Elevators	Lounges	[Retail] [Wholesale] florists
Basement	Emergency vehicles	Malls	Schools
Bathroom(s)	Family Room		School Bus
Beauty [salons] [shops]	Factory/Factories	Manufacturing Plant (s)	Shelters
Bedroom	Fast food restaurants <sup>§</sup>	Markets	Shippers
Boat	[Food processing] plants	(Medical) Clinic	Shopping centers
Bowling Alley	Food storage areas	Mass merchandisers discount retailers and/or general merchandise stores	Shops
Blood Bank	Food service establishments [Restaurants] [Commercial Kitchens]	Military Installation	Shower rooms
Buildings	Funeral homes	Mobile Home/RV(s)	Sick Room
Business	Garage [storage areas]	Mortuaries	Spas [massage/facial] [hair/nail]
Buses	[Garbage] [Waste] storage areas	Motel	Sports arenas
Butcher shops <sup>§</sup>	Gas stations	Mud Room	Sports stadiums
Cafeteria <sup>§</sup>	Greenhouses	Nursery/Nurseries	Sunroom
Camper(s) [home]	Grocery stores	Nursing Home	Subways
Campground facility	Gym(s) [Gymnasium(s)]	Offices	Supermarkets (grocery store)
Car	Health Club(s)	Office/Building	Tattoo parlors
Child Care Centers	Home(s) /House	Patient Rooms	Toll Booth
Churches	(Home) Workshop	Pet animal quarters	Tool Shed

Clinics	Home centers	Pet areas	Train Interior
Closets	Hospital(s)	Pet shops and other animal care facilities	Transportation terminals
College (Institutional)	Hotel	Pharmacy/ Pharmacies	Trolleys
Club	Industrial (facilities)	Physician Office	Universities
Commercial Building	Institutional/ Institutions	Playroom(s)/ Play area	Vacation Home
Convention centers	(Institutional) Kitchen(s)	Playground (facility)	Vehicles
Correctional facilities	(Institutional) Restroom(s)	[Police and/or fire] vehicles	Veterinary (office) (clinics) (facilities)
Cruise ships	Infirmary	Produce areas	Waiting Rooms
Dairy farms	Kitchen	Public eating places	Warehouse
[Damp] storage areas	Kennels	Public facility	Wellness centers
Day Care Center	Laboratory	Public places	Zoos
Doctors Office	Laundromat	(Public) restrooms	

**Optional Graphics depicting Professional Use Sites**



**SURFACES**

**[FOR USE ON] Hard Non-porous, non-food contact surfaces:**

Appliance exteriors[s] [surfaces]	changing tables	drain boards	garage surfaces	light fixtures, switches, panels
appliance or cabinet knobs	chemotherapy hoods	dressing carts	garbage or trash [cans] [disposals] [pails]	linen carts
baked enamel	[children's] furniture	elevator buttons	glass	linoleum
bassinets	chrome	empty garbage bins	glazed ceramic tile	litter boxes
baby furniture (non-wood)	clean-up carts	enamel	glazed porcelain	lockers
Bathroom [surfaces] [fixtures]	closets	examination tables	[grocery [store] or supermarket] carts, cart handles and child safety	[medicine] cabinets

			seats	
[bathroom] [kitchen] faucet[s] [handles]	[clothes] [diaper] hampers <sup>±</sup>	exercise machines		metal
[bath]tubs	computers	exercise mats	gym[nastic] equipment	metal blinds
bed springs	[computer] keyboards	exhaust fans	[hand] railings or rails	metal portable toilets
[behind and under] counters <sup>±</sup>	[computer] monitors	exterior or external toilet surfaces	car interior surfaces	metal work benches
[behind and under] sinks <sup>±</sup>	cooler exteriors	exterior or external urinal surfaces	bedroom, office or bedside furniture	mirror
bidet faucets (non-wood)	copper	exterior surface(s) of [microwave (oven)] [oven][refrigerator]	Headsets	office machinery
booster chairs	counter or countertops	faucets	high chairs (non-wood) surfaces	outdoor stretchers (non- wood)
bottoms of pots and pans	cultured marble	fax machine[s] [handles]	bed frame or crib [surfaces] [fixtures]	oven doors
BP monitors	cupboards	fixtures	boat interior surfaces	packing benches
brass	Cribs (non- wood)	[filing] [medicine] cabinets	ship interior surfaces	parquet tin (diaper) changing table
burner trays	crystal surfaces	finished or painted walls	trailer interior surfaces	patient chairs
cabinets	desk[s] [laminated] [tops] (surfaces)	finished windowsills	[instrument] stands	phones
cages	diaper pails	floors (non-wax) (resilient) (ceramic)	[interior] surfaces of [vehicles] [rental cars]	piano keys
cat litter boxes	dictating equipment	floors and walls of coolers	[kids] play [structures] [equipment] [furniture] [tables]	pet areas and surfaces
carts	[dining] [fast food] [kitchen] [picnic] [play] [restaurant] [tray] tables	flower buckets	[kitchen] appliance exteriors	plastic (baby) (children) toys
cell[ular],	dining room	furniture(non-	lamps	plastic laundry

wireless, mobile or digital phones	surfaces and/or tables and/or fast food restaurant tables	wood)		basket (hamper)
chairs (non-wood)	door[s] handle[s] [knob] frame[s]	freezer exteriors	large inflatable nonporous plastic (rubber)	plastic surfaces associated with walls fixtures, toilets, urinals, sinks shower and locker rooms
plastic toilet (seat) (areas)	shower (curtain) (plastic) (liner) (glass topped)	strollers	trash cans and/or compactors	wastebaskets
playpen	shower (stall) (area)	synthetic marble	tubs	wheelchairs
portable toilets	signs	table [table tops]	under sinks disk racks	whirlpool interiors
[public or pay] telephones or phone booths	sill[s] ledge[s]	telephones	vanity tops or vanities	window [blinds] [shades]
range hoods	sink[s] (basin[s])	telecommunication equipment [surfaces]	vending machine surfaces	windows
recycling bins	sports [exercise] [athletic] equipment	toilet and/or urinal exterior surfaces	vinyl (tile)	windowsills
remote control(s)	stainless steel	toilet [handle] [rim] [seat] [top]	walkers	windshields
restroom fixtures	stall doors	Tools (household) (patio)	walls	work benches
salad bar sneeze guards	staplers	towel dispensers	washable kitchen surfaces	wrestling mats
sealed granite	stereo consoles	toy boxes	washable walls [paper]	
seats	storage bins	toys	washers/dryers or washing machine	
shelves/drawers	stovetops or stoves	[training] toilets	exterior surfaces	

**Medical Use Sites:****[FOR USE ON] Hard Non-porous, non-food contact surfaces [in]:**

Ambulances or [Emergency Medical] Transport Vehicles	[Hospital] Kitchens	Patient Areas
Ambulatory Surgical Centers (ASC)	Hospices	Patient Restrooms
Anesthesia Rooms or Areas	Intensive Care Units ICU[s] [areas]	[Pediatric] Examination Rooms or Areas
[Assisted Living or Full Care] Nursing Homes	Isolation Areas	Pediatric Intensive Care Units [PICU]
Carts	Laundry Rooms	Pharmacies
CAT Laboratories	Laboratories	Physical Therapy Rooms or Areas
Central Service Areas	Long Term Care	Psychiatric Facilities
Central Supply Rooms or Areas	Facilities	Public [Care] Areas
Critical Care Units or CCUs	Medical Facilities	Radiology or X Ray Rooms or Areas
Dialysis Clinics [Facilities]	Newborn or Neonatal [Nurseries] [Intensive Care] Units [NICU]	Recovery Rooms
Donation Centers [blood] [plasma] [semen] [milk] [apheresis]	Nursing or Nursing Stations	Rehabilitation Centers
Emergency Rooms or ERs	Operating Rooms	Respiratory Therapy Rooms or Areas
Eye Surgical Centers	Ophthalmic Offices	Restrooms
Health Care Settings or Facilities	Orthopedics	Surgery Rooms or Operating Rooms or ORs
Home Health Care [Settings]	Out Patient [Surgical Centers (OPSC)] [Clinics] [Facilities]	Waiting Rooms or Areas

**Medical Use Site Surfaces:****[FOR USE ON] Hard non-porous, non-food contact surfaces:**

This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or 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) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

Air vents	desktops	large surfaces	reception counters or desks or areas
Anesthesia machines	diagnostic equipment	loupes	respirators
Apheresis machines	dialysis machines	mammography equipment	respiratory therapy equipment
Autoclaves	docking stations	[Mayo] [instrument] stands	scales
Bathroom doorknob	environmental surfaces	medication carts	sequential compression devices
Bedpans	exterior surfaces of air vents	mobile devices	shower fixtures
Bedrails	external surfaces of [medical equipment]	mobile electronic equipment	side rails
[bedside] tables	[external] [surfaces of] ultrasound transducers [and/or probes]	mobile workstations	sills [ledges]
blood pressure cuffs	exterior of pipes	mouse pads	slit lamps
blood pressure (BP) monitors	footboards	nurse call [devices] [buttons][and cords]	small surfaces
cabinet handles	glucometers	operating room tables and lights	spine backboards
call boxes	gurneys	operatory light switches	stethoscopes
CAT or Computerized Axial Tomography equipment	handheld [electronic] devices	oxygen hoods	stools
Carts	edges of privacy curtains	overbed tables	stretchers
Cellular phones	[environmental] hospital or medical surfaces	paddles	support bars
Charging stations	high touch surfaces	paggers	tablet PCs
Closet handles	headboards	[patient] chairs	toilet handholds

Coated mattresses	[hospital or patient] bed[s] [springs] [railings] [frames] [linings]	patient monitoring equipment	traction devices
Coated pillows	infant incubators and care cribs	patient support and delivery equipment	walls [around toilet] [in patient rooms]
Computer mouse or mice	infant warmers	phlebotomy trays	wash basins
Computer peripherals	[inner] [inside of] drawers	physical therapy (PT) equipment surfaces	wheelchairs
Computer screens [monitor] [display]	isolettes	phone cradle	x ray equipment
Computer table [stand]	IV [stands][pumps][poles]	power cords	
Cords	keyboards	pulse oximeters	
Counters [crash] [emergency] carts	laptops [computer]	PVC tubing	

**Dental Use Sites\*\*\*:**

This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or 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) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

Dental operatories  
Dentist office  
Examination room[s]

**Dental Use Site Surfaces\*\*\*:**

Amalgamators and/or Dental curing lights	Endodontic equipment such as apex locators
Dental surfaces	[environmental] dental countertops
Dental operatory surfaces	Light lens covers
Dentists or dental chairs	Pulp testers and motors
Dental instrument trays	Reception counters, desks, or areas

\*\*\*Hard non-porous surfaces

**Veterinary Use Sites\*\*:**

This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or 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) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

[Animal] [pet] housing [kennels] [facilities]	Pet [areas] [quarters]
Animal holding areas	Pet shops or stores
Animal life sciences laboratories	Small animal facilities
[animal or pet] grooming facilities	Tack shops
Animal transportation vehicles	Veterinary [offices] [waiting rooms]
Breeding establishments	Veterinary [examination rooms]
Dairy farms	Veterinary [x ray rooms]
Equine farms	Veterinary [operating rooms]
Farms	Zoos
Livestock and/or swine and/or poultry facilities	

**Veterinary Use Site Surfaces\*\*:**

Animal equipment	[environmental] veterinary surfaces
Automatic feeders	Pens
Cages	Reception counters or desks or areas
Exterior surfaces of fountains	Stalls
External surfaces of [veterinary] equipment	Troughs
Exterior surfaces of watering appliances	Veterinary care surfaces
Feed racks	

\*\*Hard non-porous, non-food contact surfaces



## **CLEANING POULTRY & LIVESTOCK DRINKING WATER LINES**

1. For drinking water lines 500 feet in length or less, using water holding tanks, make a 3% HaloHPC stock solution by mixing 3 gallons of HaloHPC with 97 gallons of water.
2. For drinking water lines exceeding 500 feet in length, using holding tanks, make a 3% HaloHPC stock solution by mixing 6 gallons of HaloHPC with 194 gallons of water.
3. Pump the 3% HaloHPC stock solution, completely filling the drinking water lines.
4. If the drinking water lines are not supplied by water from holding tanks, you may either prepare a 3% HaloHPC stock solution in a 50 gallon tank by mixing one and one-half (1½) gallons of HaloHPC with forty-eight (48.5) gallons of water, pumping this solution into the water line, repeating this process as often as needed, until water line is filled or you may fill the water line, using a proportioner, set to inject undiluted HaloHPC at a rate of 1:33 (3%).
5. After the waterline is filled with the 3% HaloHPC solution, activate nipple drinkers to insure solution contact with drinkers.
6. Allow the 3% HaloHPC solution to remain in the water lines for 24 - 48 hours.
7. Flush lines with fresh water until water is visibly clear.

## **Disinfection and Deodorizing Animal Housing Facilities and Buildings. Farm Equipment.**

### **Poultry Premises, Coops, Trucks and Crates**

1. Remove all animals/poultry from the facilities, items/areas to be disinfected.
1. Remove gross soils, liters, droppings, etc. with a warm water flush or by sweeping.
2. Empty all troughs, racks, and other feeding and watering equipment.
3. Thoroughly clean all surfaces with detergent or cleaning solution and rinse with water.
4. Prepare a disinfecting use solution by adding 1 oz of HaloHPC to 9 ounces of water.
5. Make sure area is well-ventilated prior to initiating treatment.
6. To disinfect, saturate surfaces with a disinfecting solution for at least 10 minutes. Surface must remain visibly wet for the contact time.
7. Prior to reuse, thoroughly scrub treated feed equipment (e.g., feed racks, troughs, fountains, etc.) with a detergent and rinse with water.
8. Keep animals/poultry out of treatment areas and/or do not use treated equipment until solution has been completely absorbed and air dried.

### **Poultry Hatchery Disinfection**

1. Remove any eggs, chicks, poultry and feeds along with all gross soils and other hatching-related debris.
2. Thoroughly clean all surfaces with an appropriate detergent or cleaning solution; then rinse with water.
3. Prepare a disinfecting solution by adding 1 oz. of HaloHPC to 9 oz. of water.
4. Make sure area is well-ventilated prior to initiating treatment.
5. Apply disinfecting solution via spraying (use a coarse spray device onto the surface to be treated. Let the use-solution soak in on the treated surface for at least 10 minutes. Surface must remain visibly wet for the contact time and then allow to air dry.
6. Reintroduce eggs and chicks after all surfaces have dried.

**Commercial AGRICULTURAL OR INDUSTRIAL water system injection for the oxidization of odors when they form:**

In well systems, the HaloHPC is injected with a peristaltic pump through a ¼ inch plastic tube (or other comparable injection system) inserted into the well all the way to the well intake screens. The most distant faucet is tested with a supplied test strip until a residual of 25-50 ppm hydrogen peroxide is detected indicating that the system has been thoroughly treated. The injection pump should then be adjusted to deliver 25 ppm on a consistent basis to the water system.

When treating the watering system for sick animals, the most distant faucet is tested with a test strip until a residual of 100-1,000 ppm hydrogen peroxide is detected indicating that the system has been thoroughly treated. When this level is reached the injection is immediately reduced until the test strip indicates the 25 ppm is reached and the system is maintained at the 25 ppm level. This process can be repeated monthly to ensure a clean water system and avoid screen clogging.

**Fogging**

This product may be applied by fogging to control non-public health microorganisms in use sites such as Animal Housing Facilities and Buildings, Farm Equipment, Poultry Premises, Coops, Trucks and Crates. The HaloHPC34 Use Solution ready is recommended for use in fogging operations as a supplemental measure after regular cleaning and disinfecting procedures using any type of fogging equipment such as thermofoggers and cold foggers. Conventional corrosion resistant fogging devices are required. Fog area following device manufacturer's directions. Fog areas using 12-24 ounces per 1000 cu. ft. of room area with HaloHPC34 Use Solution. Wear a dust mist respirator (such as N-95) when pouring it into the fogging apparatus. Vacate the area of all personnel prior to, during and after fogging until the hydrogen peroxide concentration is below 0.5 ppm.

## **PRECAUTIONARY STATEMENTS**

### Hazards to Humans and Domestic Animals

Danger. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get in eyes, on skin or on clothing. If fogged, avoid breathing spray mists. Wear protective eyewear such as goggles, face shield or safety glasses and protective clothing (long-sleeved shirt and long pants, socks, rubber gloves and chemical resistant footwear). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

## **FIRST AID**

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: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment.

If swallowed: call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person. If product diluted in accordance with the directions for use, gets on skin, medical attention is not required.

**NOTE TO PHYSICIAN:** Probably mucosal damage may contraindicate the use of gastric lavage.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

(If container size is 5 gallons or larger, use the following Environmental Hazards statement).

### Environmental Hazards

Do not discharge effluent containing this product into lakes, streams, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination system (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer system without previously notifying the local sewage treatment plant authority. For guidance, contact your state water board or Regional Office of the EPA.

## **PHYSICAL AND CHEMICAL HAZARDS**

This product is incompatible with oxidizing and reducing agents.

## **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Keep out of direct sunlight and away from heat. Do not freeze. Store in original container in areas inaccessible to small children and pets.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### Container Disposal:

Plastic (Note to Reviewer: One of the following statements will be used)

Nonrefillable container. Do not reuse or refill this container unless the directions for use allow to refill empty container with this product.

-or-

Nonrefillable container. Do not reuse or refill this container.

If product leaking or spills should occur, please dilute with water and dry with absorbent material, or dilute with water as it is flushed into waste water drain. Offer for recycling, if available or (replace cap and) discard in trash.