



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 20, 2016

Jonathan Walsh  
Regulatory Assurance Specialist  
H&S Chemicals Division  
C/O Lonza Inc.  
90 Boroline Road  
Allendale, NJ 07401

Subject: Notification per PRN 98-10 – Minor label modifications  
Product Name: Formulation HWS-32  
EPA Registration Number: 47371-192  
Application Date: September 30, 2016  
Decision Number: 522529

Dear Mr. Walsh:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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.

If you have any questions, you may contact Joe Daniels at (703) 347-8669 or via email at [daniels.joseph@epa.gov](mailto:daniels.joseph@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "E. Miederhoff". The signature is written in a cursive style with a large, stylized "E" and "M".

Eric Miederhoff  
Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Note to Reviewer:  
[Items in brackets [AAA] are optional and may/may not be included on final label]  
{Items in braces {AAA} are for information purposes and will not appear on final label}

# FORMULATION HWS-32

## ONE-STEP DISINFECTANT GERMICIDAL DETERGENT AND DEODORANT

Disinfectant  
Staphylocidal  
Salmonellacidal  
Bactericidal  
Fungicidal  
Mildewstatic  
\*Virucidal

## NOTIFICATION

47371-192

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

12/20/2016

FLORAL / CITRUS / FRESH / CLEAN / LEMON / PINE / MINT [scent] [fragrance] [odor] [scented]

### Active Ingredients:

Didecyl dimethyl ammonium chloride.....1.27%  
n-Alkyl (C<sub>14</sub> 50%, C<sub>12</sub> 40%, C<sub>16</sub> 10%) dimethyl benzyl ammonium chloride..... 0.85%  
Other Ingredients:.....97.88%  
Total:.....100.00%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER [PELIGRO]**

See [right] [left] [side] [back] panel for Precautionary Statements and First Aid

EPA Reg. No. 47371-192  
EPA Est. No. (insert Est. No. here)  
NET CONTENTS (insert container size here)

[DOT Symbols]  
[Country of origin (insert country)]  
[Manufactured in (insert country)]  
[Barcode]

H&S CHEMICALS DIVISION  
c/o LONZA INC.  
90 Boroline Road  
Allendale, NJ 07401

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER.** Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Harmful if inhaled. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash 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.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

**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 treatment advice.

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

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

*{Note to reviewer. If container size is 5 gallons or greater, the following Environmental Hazards statements will be used:}*

### **ENVIRONMENTAL HAZARDS**

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 Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

*{Note to reviewer: The following is considered optional marketing language:}*

- Concentrate [Concentrated]
- Neutral [Neutral pH]
- Disinfects [Disinfectant]
- Cleans [Cleaner]
- Deodorizes [Deodorizer]

A multi-purpose, neutral pH, germicidal detergent and deodorant effective in hard water up to 200 ppm [calculated as CaCO<sub>3</sub>] in the presence of a moderate amount of soil [5% organic serum] according to the AOAC Use-dilution Test. Disinfects, cleans and deodorizes in one labor-saving step.

For use in schools, colleges, commercial and industrial institutions, office buildings, veterinary clinics, animal life science laboratories, zoos, federally inspected meat and poultry establishments, equine farms, tack shops, pet shops, airports, kennels, hotels, motels, poultry farms, turkey farms, dairy farms, hog farms, breeding establishments, grooming establishments, funeral homes and households.

Disinfects, cleans, and deodorizes the following hard, nonporous, inanimate surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, plastic surfaces [such as polypropylene, polystyrene, etc.].

Use [on] [to clean and disinfect] nonporous athletic mats, wrestling mats, gymnastic mats, exercise equipment and training tables.

Use [on] [to clean and disinfect] nonporous personal protective safety equipment, wrestling headgear, boxing headgear, protective headgear, athletic helmets, hard hats, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors, and ear muffs. Rinse all equipment that comes in prolonged contact with skin with warm water and allow to air dry before reuse. [Notice: Cleaning at 120°F. temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.]

For use in *(insert name of automated dilution system here)* [automated] [dilution system].

For use in:

- Federally inspected meat and poultry plants on all hard, nonporous surfaces in inedible product processing areas, non-processing areas and/or exterior areas. All surfaces must be thoroughly rinsed with potable water.
- Federally inspected meat and poultry plants as a floor and wall cleaner for use in all departments. Food products and packaging material must be removed from the room or carefully protected. All surfaces must be thoroughly rinsed with potable water.
- Federally inspected meat and poultry plants, as a disinfectant agent for use in all departments. Food products and packaging materials must be removed from the room or carefully protected. Use product in accordance with its label. All surfaces must be thoroughly rinsed with potable water.

For use in tanning salons.

For use on [tanning beds], [and] [tanning equipment].

Kills [Effective against] [99.9% of] Influenza A virus associated with the flu.

*{Note to reviewer: If additional labeling/inserts/reference sheets are used, one of the following statements will appear on the container label:}*

See [additional labeling] [reference sheet] [enclosed in each case] for [a complete list of [pathogenic] organisms] [additional features, claims, directions for use] [claimed for this product] [eliminated by this product].

or

See [Reference Sheet] [insert] [product insert] for additional [product information] [and] [directions for use].

*{Note to reviewer: The following is considered optional marketing language.}*

**Formulation HWS-32** is effective at controlling mold and mildew odor on mattresses, pillows and shower curtains. **{Not for Use in California}**

**Use Formulation HWS-32** in the laundry to control odors on musty bedding and linens. Test on a small inconspicuous area before using.

**Use Formulation HWS-32** on mildew stains.

**Use Formulation HWS-32** on mildew stains in damp areas such as bathrooms, showers, kitchens, basements and laundry rooms. **{Not for Use in California}**

**Use Formulation HWS-32** in work areas such as tool rooms and garages for odor control and light duty cleaning.

**Use Formulation HWS-32** to remove odors caused by flooding and smoke from fires.

**Formulation HWS-32** leaves a clean fresh scent.

**Formulation HWS-32** provides long lasting freshness against tough [pet] odors from litter boxes and pet accidents.

**Formulation HWS-32** [Kills] [Eliminates] [Removes] [Destroys] avian influenza A (H5N1) virus on pre-cleaned hard non-porous environmental surfaces

**Formulation HWS-32** [Kills] [Eliminates] [Removes] [Destroys] *(Insert pathogen or pathogens from lists on pages 7 and 8)* on [pre-cleaned] hard non-porous environmental surfaces

**Formulation HWS-32** [Kills] [Eliminates] [Removes] [Destroys] [Germs] [Bacteria] [Viruses\*] [on [pre-cleaned] hard non-porous environmental surfaces]

*{Note to reviewer: The following is considered optional marketing language.}*

**[AREAS OF USE:]**

**Use Formulation HWS-32 in:**

*{Note to reviewer: Each block below also represents a graphic depicting the corresponding area of use. The graphics will only represent individual objects or outsides or insides of buildings as described below. No people, animal, or food will be depicted in graphics.}*

Bathrooms	Camp grounds
Homes [households]	Play ground equipment
Kitchens	
	Animal laboratories
Dental offices	Dairy farms
	Farms
Day care centers	Hog farms
Nurseries	Kennels
	Poultry farms
Bars	Pet animal quarters
Cafeterias	Pet shops
Convenience stores	Turkey farms
Food processing plants	Zoos
Food storage areas	
Institutional kitchens	Airplanes
Restaurants	Airports
USDA inspected food processing facilities	Ambulances
	Boats
Athletic facilities	Buses
Barber shops	Campers
Business and office buildings	Cars
Colleges	Emergency [Police] [EMS] [Fire] [Rescue] vehicles
Correctional facilities	Mobile homes
Dressing rooms	Ships
Exercise facilities	Taxis
Factories	Trailers
Hotels	Trains
Institutional facilities	Transportation terminals
Institutions	Trucks [Box Trucks]
Locker rooms	
Morgues	
Mortuaries	
Motels	
Prisons	
Public facilities	
Public rest rooms	
Schools	
Shower and bath areas	
Salons [Beauty] [Nails]	
Spas	
Tanning Salons	
Tattoo Parlors	
Universities	

{Note to reviewer: The following is considered optional marketing language.}

**[TYPES OF SURFACES:]**

Use **Formulation HWS-32** on washable hard, nonporous surfaces of:

{Note to reviewer: Each entry below also represents a graphic depicting the corresponding type of surface. No people, animal, or food will be depicted in graphics. Only exteriors of microwaves and refrigerators will be depicted. Toy graphics will be submitted to Agency for review.}

Appliances, exteriors of  
Bathroom fixtures  
Bathtubs [Fiberglass]  
Cabinets  
Cages  
Chairs  
Coils and drain pans of air conditioning and  
refrigeration equipment and heat pumps  
Conductive flooring  
Counters [countertops]  
Countertop laminates  
Desks  
Doorknobs  
Floors  
Foot Spas  
Garbage cans  
Highchairs  
Kennel runs  
Microwave ovens, exteriors of  
Outdoor furniture [except cushions and wood frames]  
Refrigerators, exteriors of  
Refrigerated storage and display equipment  
Telephones

Other hard nonporous surfaces made of:  
Glazed ceramic  
Glazed enameled surfaces  
Glazed porcelain  
Laminated Surfaces  
Metal  
Plastic [such as polystyrene or polypropylene]  
Sealed granite  
Sealed limestone  
Sealed marble  
Sealed slate  
Sealed stone  
Sealed terra cotta  
Sealed terrazzo  
Stainless steel  
Upholstery, vinyl and plastic  
Woodwork, finished

Bed frames  
Bed rails  
Crutches  
Defibrillators  
Gurneys  
Examining tables  
Lamps  
Scales  
Resuscitators  
Stands  
Stretchers  
Stethoscopes  
Walkers  
Wheel chairs



{Note to reviewer: The following is considered optional marketing language.}

Effective against the following pathogens:

[Bacteria:]

Salmonella enterica

Staphylococcus aureus<sup>1</sup>

Acinetobacter baumannii

Acinetobacter calcoaceticus

Bordetella bronchiseptica

Chlamydia psittaci

Enterobacter aerogenes

Enterobacter cloacae

Enterococcus faecalis - Vancomycin Resistant [VRE]

Escherichia coli<sup>1</sup>

Fusobacterium necrophorum

Klebsiella pneumoniae<sup>1</sup>

Legionella pneumophila

Listeria monocytogenes

Pasteurella multocida

Proteus mirabilis

Proteus vulgaris

Salmonella enteritidis

Salmonella typhi

Salmonella typhimurium

Serratia marcescens

Shigella flexneri

Shigella sonnei

Staphylococcus aureus - Community Associated Methicillin-Resistant – [CA-MRSA] [NRS384] [USA300]

Staphylococcus aureus - Community Associated Methicillin-Resistant – [CA-MRSA] [NRS123] [USA400]

Staphylococcus aureus - Methicillin resistant – [MRSA]

Staphylococcus aureus - Vancomycin Intermediate Resistant – [VISA]

Staphylococcus epidermidis<sup>2</sup>

Streptococcus faecalis<sup>1</sup>

Streptococcus pyogenes [Strep]

<sup>1</sup> ATCC & antibiotic-resistant strain

<sup>2</sup> antibiotic-resistant strain only

{Note to reviewer: The following is considered optional marketing language.}

[Viruses:]

\*Adenovirus Type 4

\*Adenovirus Type 7 - at 16 oz. per gallon {Note for Reviewer: 16 oz. per gallon dilution disinfection directions must be used if Adenovirus Type 7 is listed on the label}

\*Hepatitis B Virus [HBV]

\*Hepatitis C Virus [HCV]

\*Herpes Simplex Type 1

\*Herpes Simplex Type 2

\*Human coronavirus

\*HIV-1 [AIDS virus]

\*Influenza A Virus / Hong Kong

**{Note to supplemental registrant: if one of the following pathogens with \*\* are used must include statement "in association with the organism Influenza A Virus/Hong Kong"}**

[Influenza Virus\*\* associated with Influenza] [Flu Virus\*\* associated with the flu]

[\*\*in association with the organism Influenza A Virus/ Hong Kong]

\*Respiratory Syncytial Virus [RSV]

\*Rotavirus [WA]

\*Rubella virus

\*SARS Associated Coronavirus [SARS] [cause of Severe Acute Respiratory Syndrome]

\*Vaccinia [Pox virus]

- Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by influenza A virus. This product [*Product Name*] is a broad-spectrum hard surface disinfectant that has been shown to be effective against Influenza A Virus / Hong Kong 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 / Hong Kong 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.

[Animal viruses:]

\*Avian Influenza (H5N1)

\*Avian polyomavirus

\*Canine distemper

\*Feline leukemia

\*Feline picornavirus

\*Infectious bovine rhinotracheitis

\*Infectious bronchitis [Avian IBV]

\*Newcastle Disease

\*Pseudorabies [PRV]

\*Rabies

\*Transmissible Gastroenteritis virus [TGE]

[Fungi:]

Aspergillus niger

Candida albicans

Trichophyton mentagrophytes [Athlete's Foot Fungus] [a cause of Ringworm] [a cause of Ringworm of the foot]

**PELIGRO:** SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

**DIRECTIONS FOR USE**

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

DILUTION: 1:32 [660 ppm quat]	4 ounces per gallon of water
	8 ounces per 2 gallons of water
	12 ounces per 3 gallons of water
	16 ounces per 4 gallons of water
	20 ounces per 5 gallons of water

[To [remove] [insert] [the] [dispenser system name] container place hand securely under the container, slide release lever to the right and pull the container out]

**DISINFECTION / CLEANING / DEODORIZING DIRECTIONS:** Remove heavy soil deposits from surface, then thoroughly wet surface with a use-solution of 4 ounces of the concentrate per gallon of water. [Use 16 oz. per gallon of water to kill Adenovirus Type 7.] Apply with a cloth, mop, sponge, or coarse spray or by soaking. For sprayer applications, use a coarse spray device. Spray 6 – 8 inches from the surface; rub with a brush, cloth or sponge. Do not breathe spray. Let solution remain on surface for a minimum of 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.

*{Note for reviewer: One of the following statements must be used:}*

Food contact surfaces must be thoroughly rinsed with potable water. This product must not be used to clean the following food contact surfaces: utensils, glassware and dishes.

*{or}*

This product is not for use on food contact surfaces.

*{Note to reviewer: one of the following two statements will be used:}*

**BACTERICIDAL STABILITY OF USE-DILUTION:** Tests confirm that **Formulation HWS-32**, when diluted in 200 ppm hard water [via use of automatic dispensing devices], remains effective against *Staphylococcus aureus* and *Salmonella enterica* for [up to 7 days] [for up to one week] [for up to one month] [for up to 2 months] [for up to 3 months] [up to 4 months] [up to 5 months] [up to 6 months] [up to 7 months] [up to 8 months] [up to 9 months] [up to 10 months] [up to 11 months] [up to 12 months] [for up to one year] when stored in a sealed container such as a spray bottle. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, properly labeled containers when diluting this product. Bactericidal stability of the use-dilution does not apply to open containers such as buckets or pails.

*{or}*

Prepare a fresh use-solution daily or more often if the solution becomes visibly dirty or diluted.

**TOILET BOWLS [ / URINALS]:** Swab bowl with brush to remove heavy soil prior to cleaning or disinfecting. Clean by applying diluted solution around the bowl and up under the rim. Stubborn stains may require brushing. To disinfect, first preclean to remove heavy soil, then remove or expel over the inner trap the residual bowl water. Pour in three ounces of the diluted solution. Swab the bowl completely using a scrub brush or mop, making sure to get under rim. Let stand for 10 minutes or overnight, then flush.

**FUNGICIDAL DIRECTIONS:**

For use in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities follow disinfection directions.

**MILDEWSTATIC INSTRUCTIONS:** Will effectively control the growth of mold and mildew, plus the odors caused by them when applied to hard, nonporous surfaces such as walls, floors and table tops. Apply use-solution of 4 ounces per gallon of water with a cloth, mop, sponge or coarse spray. Make sure to wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears.

**To control the growth of mold and mildew on large inflatable non-porous plastic and rubber structures [animals, promotional items, moonwalks, obstacle course play and exercise equipment]:** Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use solution of 4 ounces per gallon of water with a cloth, mop, sponge, or coarse spray. Make sure to wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears. Ventilate buildings and enclose spaces. Do not use equipment until treatment has been absorbed, set or dried.

## **CLEANING AND DISINFECTING HARD NONPOROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT [RESPIRATORS]:**

Preclean equipment if heavily soiled to ensure proper surface contact. Add 4 oz. of **Formulation HWS-32** to one gallon of water. Gently mix for a uniform solution. [Use 16 oz. per gallon of water to kill Adenovirus Type 7.] Apply solution to hard, nonporous surfaces of the respirator with a brush, coarse spray device, sponge, or by immersion. Thoroughly wet all surfaces to be disinfected. Treated surfaces must remain wet for 10 minutes. Remove excess solution from equipment prior to storage. Comply with all OSHA regulations for cleaning respiratory protection equipment [29 CFR §1910.134].

**\*KILLS HIV-1 [AIDS VIRUS] AND HBV [HEPATITIS B VIRUS] AND HCV [HEPATITIS C VIRUS] ON PRECLEANED, HARD NON-POROUS ENVIRONMENTAL SURFACES / OBJECTS PREVIOUSLY SOILED WITH BLOOD / BODY FLUIDS** in settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood / body fluids, and in which the surfaces / objects likely to be soiled with blood / body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type I [HIV-1] [associated with AIDS] or Hepatitis B Virus [HBV] or Hepatitis C Virus [HCV].

### **Special Instructions for Disinfection, Cleaning and Decontamination against HIV-1 [AIDS Virus] or HBV or HCV on Surfaces / Objects Soiled with Blood / Body Fluids:**

**Personal Protection:** Disposable protective gloves, gowns, face masks and eye coverings, [as appropriate,] must be worn during all cleaning of blood / body fluids and during decontamination procedures.

**Cleaning Procedures:** Blood / body fluids must be thoroughly cleaned from surfaces / objects before application of disinfectant.

**Contact Time:** Mix 4 oz. of **Formulation HWS-32** per gallon of water [or equivalent dilution]. HIV-1 [AIDS virus] is inactivated after a contact time of 4 minutes at 25°C [77°F] [room temperature]. HBV and HCV are inactivated after a 10 minute contact time. Use a 10-minute contact time for all other viruses, fungi and bacteria listed.

**Disposal of Infectious Materials:** Blood / body fluids must be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

## **[DISINFECTANT] [FOR] [NAIL] [MANICURE] SALON [BARBER] [SHOPS] [TANNING SALONS] [HAIR SALONS] [TATTOO PARLORS] [HEALTH CLUBS] [SPA SURFACES] INSTRUMENTS AND TOOLS DISINFECTION [BACTERICIDE] / [\* VIRUCIDE] / [FUNGICIDE] DIRECTIONS:**

Mix 4 oz. of **Formulation HWS-32** per gallon of water [or equivalent dilution] to disinfect hard, nonporous instruments and tools. [Use 16 oz. per gallon of water to kill Adenovirus Type 7.] Completely immerse combs, brushes, rollers, razors, scissors, blades, manicure, pedicure and other salon instruments and tools for 10 minutes. For heavily soiled instruments and tools, a preliminary cleaning is required. Rinse thoroughly and dry before use. Prepare a fresh solution daily or more often if the solution becomes visibly diluted, cloudy or soiled.

**Note:** Plastics may [can] remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged soaking may cause damage to metal instruments.

## **DISINFECTION OF HARD, NONPOROUS SURFACES IN FOOTBATHS**

To remove body oils, dead tissue, soil and all other buildups or organic matter on inanimate surfaces after using the footbath, drain the water and thoroughly clean all hard, non-porous surfaces with soap or detergent, then rinse with water. Saturate surfaces with a use solution of 4 ounces per gallon of water [or equivalent use dilution] to exposed surfaces with a cloth, mop, sponge or sprayer. [Use 16 oz. per gallon of water to kill Adenovirus Type 7.] For spray applications, use a coarse spray device. Do not breathe spray. Brush or swab thoroughly and allow solution to stand for 10 minutes. After the unit has been thoroughly disinfected, rinse all surfaces with fresh water. Do not use equipment until treatment has been absorbed, set or dried.

**CLEANSING OF BODY SURFACES AND BODY ORIFICES OF HUMAN REMAINS:** This product removes body secretions, soil, and blood, along with their accompanying malodor, from the surfaces and orifices of human remains. Using a sponge or washcloth, bathe the entire body with a use-solution of 4 ounces per gallon of water. [Use 16 oz. per gallon of water to kill Adenovirus Type 7.] A soft handbrush may be employed on surfaces other than the face. Use fresh solution for each [cadaver] remains or when solution becomes visibly dirty or diluted.

#### **FARM PREMISE, LIVESTOCK, POULTRY & TURKEY HOUSE DISINFECTANT**

DILUTION: 1:32                      4 ounces per gallon of water

[Use 16 oz. per gallon of water to kill Adenovirus Type 7.]

1. Remove all animals and feeds from premises, trucks, coops, crates and enclosures.
2. Remove all litter and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, vehicles, and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks, and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent, then rinse with water.
5. Saturate all hard non-porous surfaces with the disinfecting solution for a period of 10 minutes.
6. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels and scrapers used for removing litter and manure.
7. Ventilate buildings, coops, cars, trucks, boats and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.
8. After treatment with disinfectant, thoroughly scrub feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, then rinse with potable water before reuse.

#### **VETERINARY PRACTICE / ANIMAL CARE / ANIMAL LABORATORY / ZOOS / PET SHOP / KENNELS DISINFECTION DIRECTIONS:**

For cleaning and disinfecting the following hard nonporous surfaces: equipment used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 4 oz. of **Formulation HWS-32** per gallon of water [or equivalent dilution] for a period of 10 minutes. [Use 16 oz. per gallon of water to kill Adenovirus Type 7.] Wipe or allow to air dry. Immerse all animal handling and restraining equipment as well as forks, shovels, and scrapers used to remove litter and manure. Ventilate buildings and other closed spaces. Thoroughly scrub all treated surfaces that come into contact with food, including equipment used for feeding or watering, with soap or detergent and rinse with potable water before reuse. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

**For Heavy Duty Cleaning and / or Odor Control:** When greater cleaning is desired, use 8 - 16 oz. of **Formulation HWS-32** per gallon of water. Heavily soiled areas may require repeated cleaning before treatment.

#### **CITRUS CANKER DISEASE CONTROL**

For prevention of Citrus Canker Disease through treatment of equipment. Effective against *Xanthomonas axonopodis* pv. *citri* [Citrus Canker Disease] at 2000 ppm active quat. Treatments can be applied to trucks, attached trailers, and field equipment including cargo area, wheels, tires, undercarriage, hood, roof, fenders, and any other hard nonporous equipment taken into infested areas.

Saturate surfaces with a 2:21 [1:10 1/2] use-dilution [12 1/8 oz. per gallon of deionized water] [or equivalent dilution] [2000 ppm active quat] for a period of 10 minutes. Allow to air dry. All surfaces that come in contact with food or crop must be rinsed with potable water before reuse. To prevent the spread of Citrus Canker Disease by this artificial means of transportation, treatments are made by trigger spraying, dipping or brushing. Thoroughly rinse or launder clothing before reuse. Rinse footwear before reuse.

**Formulation HWS-32** is effective at eliminating odors on porous surfaces such as drapes, carpets, bedding, shower curtains and non-porous surfaces such as walls and floors. Excellent for fire restoration.

Other suggested Uses: Homes, Veterinary Clinics, Fish Markets, Kennels, Trash Compactors, Offices, Beauty Salons, Locker Rooms, Health Spas, Conference rooms, Elevators, Smoking Areas, Lounges, Day Care Centers, Dry Cleaners, Theaters, Farms, Auditoriums and Churches.

**Deodorizing directions:**

**Hotels, Schools, Restaurants:** Using 4 oz. in chemical toilets, waste receptacles, bed pans, drainage bottles, diaper pails, hampers, disposals, commodes and air conditioner pans will eliminate odors.

**Mopping Solutions, Automatic Scrubbers:** Use 4 oz. per gallon of cleaning solution to eliminate undesirable odors.

**Laundry:** 4 oz. per load added during the final rinse cycle deodorizes all offensive odors.

**Air Freshener/Automotive Uses:** 16 oz. per gallon of water will effectively neutralize damp musty odors caused by mildew in storage areas, basements, closets and bathrooms. Effective on smoking and cooking odors [garlic, fish, onions, etc.]. Automobile odors from tobacco, musty carpet smell and beverage smells will be eliminated.

**Carpets:** 4 oz. per gallon of shampoo solution eliminates odors associated with urine, vomit, smoke, and mildew. Reapply after cleaning for freshening effects. Allow to dry.

**RV Holding Tanks:** Toilet waste: cover bottom of holding tank with water and add 4 oz. If odors return before time to empty, simply add 4 oz. to the tank. Kitchen waste: ½ oz. of **Formulation HWS-32** to gray water tank as needed to control malodors created by dirty dish water.

**Pet Odors:** Use 16 - 24 oz. per gallon of water for urine, feces, and vomit, in carpet and upholstery. Clean prior to application then spray onto affected areas. Test hidden area for colorfastness. Allow 10 minutes contact time. Then blot with clean cloth. Allow to dry. Also effective on pet bedding and litter boxes.

**Sewage Backup, Water, Smoke Damage:** Use 8 – 16 oz. per gallon of water. Spray over affected areas before and after cleaning and extraction. Allow ten minutes contact time. Use proper ventilation; open windows.

**Cleaning Solution:** Dilute 4 oz. per gallon of water for cleaning of kitchen counters, tables, walls, bathrooms, toilet seats, mopping floors and large routine applications.

{This whole page is **Not for Use in California**}

**WATER, SMOKE DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR HOME, INSTITUTIONAL AND INDUSTRIAL USE:**

This product is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushions, subfloors, drywall, concrete, brick, trim and frame lumber, tackless strip and paneling. Using appropriate dilution, saturate the affected materials with enough product to remain wet for at least 10 minutes.

**Sewer Backup and River Flooding:** During mitigation procedures, dilute 4 oz. of the concentrate per gallon of water, allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a coarse spray device before and after cleaning and extraction.

**Carpets, Carpet Cushions and Other Porous Materials such as Subfloors, Drywall, Concrete, Brick, Trim and Frame Lumber, Tackless Strip and Paneling:** For water damage from a clean source, extract excess water. Test hidden area for colorfastness. Dilute 4 oz. of the concentrate per gallon of water, allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil. Saturate all affected areas with a coarse spray device. Roll, brush or agitate into the materials and allow materials to remain wet for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly.

**Special instructions For Cleaning Carpet Against Odor Causing Bacteria:** Use this product in industrial and institutional areas such as homes, motels, hotels, and schools. Use on wet-cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for colorfastness.

**For portable extraction units:** Mix 4 oz. of concentrate per gallon of water.

**For truck mounted extraction machines:** Mix 4 – 8 oz. of concentrate per gallon of water and meter at 4 gallons per hour.

**For rotary floor machines:** Mix 4 oz. of concentrate per gallon of water and apply at the rate of 300 – 500 sq. ft. per gallon.

Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using the product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over-wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the manufacturer's directions.



*{Note to reviewer: For Nonrefillable Containers, Label has Household and Residential Uses}*

## **STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for recycling if available.

{or}

Store in original container in areas inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for reconditioning if appropriate.

*{Note to reviewer: For Nonrefillable Containers for commercial, industrial, and institutional uses – all sizes – No Reuse Rinsate Statement for Public Health Use products. Chapter 13, Table C3 of the Label Review Manual's statements about burning are labeled as "Not required;" therefore, no incineration language is provided for plastic containers.}*

## **STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children.

**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 and Metal Containers:}** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

**{Metal containers only:}** DO NOT cut or weld metal containers.

**{Bag in Box Containers:}** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

*{Note to reviewer: For Nonrefillable Sealed Containers: Packaging options can be in sealed containers or bottles designed for use dilution systems to reduce worker exposure to the concentrate. None of these can be triple rinsed because they are closed sealed containers. The following text will be used on these sealed container types:}*

## **STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children.

**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:** Nonrefillable container. Do not reuse or refill this container. Wrap empty container and put in trash.

*{Note to reviewer: For Refillable Containers – all sizes – No Reuse Rinsate Statement for Public Health Use products. Chapter 13, Table C3 of the Label Review Manual’s statements about burning are labeled as “Not required;” therefore, no incineration language is provided for plastic containers.}*

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

**Pesticide Storage:** Open dumping is prohibited. Store in original container in areas inaccessible to children.

**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 or Metal Containers:}** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

**{Metal containers only:}** DO NOT cut or weld metal containers.

**{SECONDARY CONTAINER LABEL}**

*{Note to reviewer: This secondary container label will be used only when the product is diluted at 4 oz. per gallon of water or equivalent}*

## FORMULATION HWS-32

Active Ingredients:

Didecyl dimethyl ammonium chloride.....	1.27%
n-Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%) dimethyl benzyl ammonium chloride .....	0.85%
Inert Ingredients: .....	<u>97.88%</u>
Total.....	100.00%

The product in this container is diluted as directed on the pesticide product label.

### KEEP OUT OF REACH OF CHILDREN

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if inhaled. Avoid breathing vapor or spray mist. Remove and wash contaminated clothing before reuse.

Follow the directions for use on the pesticide label when applying this product.

[EPA Reg. No. 47371-192]

This container is not for the sale or distribution of the diluted product.

## **ADDITIONAL LABELING / INSERTS / REFERENCE SHEETS**

*{Note to reviewer: If additional labeling insert / reference sheets are used, the following statements may appear on the additional labeling /insert / reference sheet :}*

- Product name
- EPA Reg. No.
- Directions for Use; It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- Read the label affixed to the container for [this product] [product name] before applying.
- Use of [this product] [product name] according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for [product name].

{Note to reviewer: The following are optional graphics and marketing language.}

{For Bag-in-Box Containers:}

**For Bag – In – Box Containers:**

How to use this package:

This package is designed to be used with dilution control systems only. Open package and connect to dispense according to directions on box top.

Trigger Sprayers:

Fill bottle from dispenser.

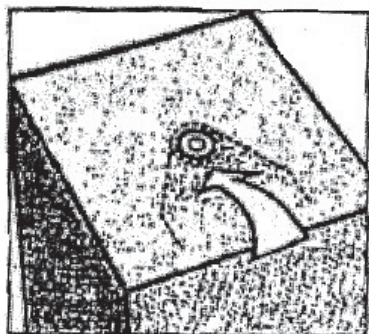
Apply to surfaces as specified in directions above.

Mop Buckets:

Fill bucket from dispenser.

Set up “Wet Floor” signs.

Mop floor surface as specified in directions above

<p><b>OPENING INSTRUCTIONS</b></p> <ol style="list-style-type: none"><li>1. Position box with perforation up.</li><li>2. Press in circle.</li><li>3. Lift flap/tear along perforation.</li><li>4. Retrieve fitting on bag.</li><li>5. Remove clear dust-cap from bag fitting.</li><li>6. Twist dispenser connector onto bag fitting.</li><li>7. Place bag-in-box into position on dispenser shelf.</li><li>8. Close dispenser (if applicable).</li></ol>		<p><b>INSTRUCCIONES PARA ABRIR</b></p> <ol style="list-style-type: none"><li>1. Ponga la caja con la perforación hacia arriba.</li><li>2. Empuje el círculo hacia adentro.</li><li>3. Levante la pestana arrancándola de la caja a lo largo de la perforación.</li><li>4. Saque el adaptador que está en la bolsa.</li><li>5. Quite la tapa transparente contra el polvo que tiene el adaptador de la bolsa.</li><li>6. Enrosque el conector desechable al adaptador.</li><li>7. Ponga la "bag-in-box" (bolsa en caja) en posición en el mezclador de despacho.</li><li>8. Cierre el dispensador (si corresponde).</li></ol>
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{Note to reviewer: The following may be used only if the supplemental registrant has obtained an NSF listing. Allowed on back or side panel only.}



{NSF Listed}

{Insert NSF 6-Digit Listing Number here}

{Note to reviewer: The following may be used only if the supplemental registrant has obtained a Kosher Certification.}



{Any Kosher Symbol such as:}

[Kosher]