

47371-131

11/16/2006

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

NOV 16 2006

Ana Rodriguez-Koster  
Agent for Lonza, Inc.  
Lewis and Harrison  
122 C Street, NW., Suite 740  
Washington, DC 20001

Subject: Formulation HWS-64  
EPA Reg. No. 47371-131  
Application Dated: Oct 23, 2006  
Receipt Date: Oct 25, 2006

Dear Ana Rodriguez-Koster

The following notification submitted in connection with registration under the provisions of PR Notice 98-10, Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)9. is acceptable.

**Proposed Amendment**

Add optional text "**Wrap and**" under the Storage and Disposal section.

**Comments**

Based on a review of the material submitted, the following comments apply:  
This application for notification to add optional text "**Wrap and**" under the Storage and Disposal section is acceptable. A copy has been placed in our records for future reference.

Should you have any questions or comments concerning this letter, please contact Velma Noble at (703) 308-6233.

Sincerely,

Velma Noble  
Product Manager (31)  
Regulatory Management Branch 1  
Antimicrobial Division (7510c)0

**CONCURRENCES**

51	M7510c						
SURNAME	M. Noble						
DATE	11-13-06						

# LEWIS & HARRISON

122 C Street, N.W., Suite 740  
Washington, D.C. 20001

telephone 202.393.3903  
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Consultants in Government Affairs

October 23, 2006

**.VIA FEDERAL EXPRESS**

Document Processing Desk [NOTIF]  
Office of Pesticide Programs (7504P)  
U. S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

**ATTENTION: Velma Noble**  
**Product Manager, Team 31**

**SUBJECT: H&S Chemicals Division (c/o Lonza, Inc.)**  
**Formulation HWS-64 (EPA Reg. No. 47371-131)**  
**Notification of Minor Label Change per PR Notice 98-10**

Dear Ms. Noble:

On behalf H&S Chemicals Division, I am submitting a Notification of minor label change for their end-use product, **Formulation HWS-64 (EPA Reg. No. 47371-131)**. The purpose of this Notification is to add the text "(Wrap and)" to the product's Storage and Disposal section. Please note that the Agency has already approved this additional text in response to an earlier Notification submitted on June 27, 2006 (see Attachment 1).

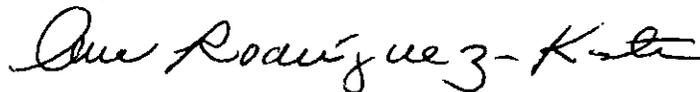
This revision involves no changes to the ingredients statement, signal word, use classification, precautionary statements, first aid, use directions, or physical/chemical properties. Furthermore, the revision does not substitute for or conflict with label text, and is not false or misleading.

Enclosed please find the following documents in support of this Notification:

1. Application for Pesticide Notification (OPP ID No. 265394), which includes a signed statement certifying compliance with PR Notice 98-10;
2. One (1) copy of the proposed product label, with changes highlighted; and,
3. One (1) clean copy of the proposed product label.

Thank you for your assistance with this submission. If you have any questions, please call me at 202-393-3903 x.17 or e-mail me at [alkoster@lewisharrison.com](mailto:alkoster@lewisharrison.com).

Sincerely,



Ana Rodriguez-Koster  
for,  
H&S Chemicals Division

Enclosures

cc: Bob Sloan, Lonza, Inc.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC  
ANIMALS**

**DANGER.** Corrosive. Causes irreversible eye damage. Do not get in eyes or clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Avoid contact with the skin. Harmful if inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. 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, use the following Environmental Hazards statements.)*

**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.

**FORMULATION HWS-64**

**ONE-STEP DISINFECTANT**

**GERMICIDAL DETERGENT AND DEODORANT**

Disinfectant	Pseudomonacidal
Staphylocidal	Salmonellacidal
Bactericidal	Fungicidal
Mildewstatic	*Virucidal

FLORAL / CITRUS / FRESH / CLEAN / LEMON / PINE / MINT (scent) (fragrance) (odor) (scented)

**Active Ingredients:**

Didecyl dimethyl ammonium chloride.....	2.54%
n-Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%) dimethyl benzyl ammonium chloride .....	1.69%
Inert Ingredients: .....	95.77%
Total: .....	100.00%

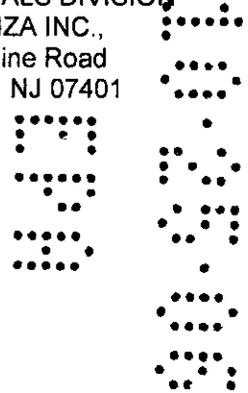
**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

See (right) (left) (side) (back) panel for Precautionary Statements and First Aid

EPA Reg. No. 47371-131  
EPA Est. No. *(insert Est. No. here)*  
NET CONTENTS *(insert container size here)*

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



(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 400 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.

Recommended for use in hospitals, nursing homes, 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, (*non-medical*) metal surfaces, (*non-medical*) stainless steel surfaces, glazed porcelain, plastic surfaces (such as polypropylene, polystyrene, acrylic, 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. [Caution: Cleaning at the recommended 120°F. temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.]

Recommended 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.

Recommended for use in tanning salons. Recommended for use on (tanning beds), (and) (tanning equipment).

**Formulation HWS-64** is effective at controlling mold and mildew odor on mattresses, pillows and shower curtains.

**Formulation HWS-64** can be used in the laundry to control odors on musty bedding and linens. Test on a small inconspicuous area before using.

**Formulation HWS-64** may be used on mildew stains in damp areas such as bathrooms, showers, kitchens, basements and laundry rooms.

**Formulation HWS-64** may be used in work areas such as tool rooms and garages for odor control and light duty cleaning.

**Formulation HWS-64** may be used to remove odors caused by flooding and smoke from fires.

**Formulation HWS-64** leaves a clean fresh scent.

**Formulation HWS-64** provides long lasting freshness against tough (pet) odors from litter boxes and pet accidents.

Effective against the following pathogens:

(Bacteria:)

- Pseudomonas aeruginosa<sup>1</sup>
  - Staphylococcus aureus<sup>1</sup>
  - Salmonella choleraesuis
  
  - 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 -Methicillin resistant – (MRSA)
  - Staphylococcus aureus-Vancomycin Intermediate Resistant – (VISA)
  - Staphylococcus epidermidis<sup>2</sup>
  - Streptococcus faecalis<sup>1</sup>
  - Streptococcus pyogenes
- <sup>1</sup> ATCC & antibiotic-resistant strain  
<sup>2</sup> antibiotic-resistant strain only

(Viruses:)

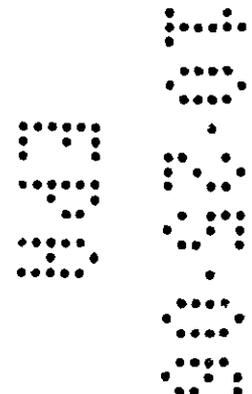
- \*Adenovirus Type 4
- \*Hepatitis B Virus (HBV)
- \*Hepatitis C Virus (HCV)
- \*Herpes Simplex Type 1
- \*Herpes Simplex Type 2
- \*Human coronavirus
- \*HIV-1 (AIDS virus)
- \*Influenza A / Hong Kong
- \*Respiratory Syncytial Virus (RSV)
- \*Rubella (German Measles)
- \*SARS Associated Coronavirus [SARS] [cause of Severe Acute Respiratory Syndrome]
- \*Vaccinia [Pox virus]

(Animal viruses:)

- \*Avian polyomavirus
- \*Canine parvovirus - at 8 oz. per gallon
- \*Canine distemper
- \*Feline leukemia
- \*Feline picornavirus
- \*Infectious bovine rhinotracheitis
- \*Infectious bronchitis (Avian IBV)
- \*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]]



(Note to reviewer: The following is considered optional marketing language.)

**(AREAS OF USE:)**

Use **Formulation HWS-64** in:

Bathrooms  
Homes (households)  
Kitchens

Dental offices  
Health Care Facilities  
Hospitals  
Medical Offices  
Nursing homes

Day care centers  
Nurseries

Bars  
Cafeterias  
Convenience stores  
Food processing plants  
Food storage areas  
Institutional kitchens  
Restaurants  
USDA inspected food processing facilities

Athletic facilities  
Barber shops  
Business and office buildings  
Colleges  
Correctional facilities  
Dressing rooms  
Exercise facilities  
Factories  
Hotels  
Institutional facilities  
Institutions  
Locker rooms  
Morgues  
Mortuaries  
Motels  
Prisons  
Public facilities  
Public rest rooms  
Schools  
Shower and bath areas  
Salons (Beauty)  
Tanning Salons

Camp grounds  
Play ground equipment

Animal laboratories  
Dairy farms  
Farms  
Hog farms  
Kennels  
Poultry farms  
Pet animal quarters  
Pet shops  
Turkey farms  
Zoos

Airplanes  
Airports  
Boats  
Buses  
Campers  
Cars  
Emergency vehicles  
Mobile homes  
Ships  
Taxis  
Trailers  
Trains  
Transportation terminals

**(TYPES OF SURFACES:)**

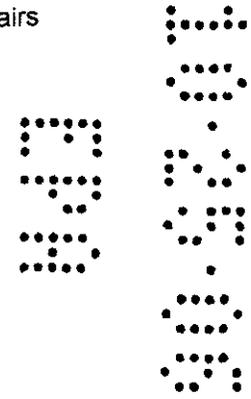
Use **Formulation HWS-64** on washable hard, nonporous surfaces of:

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  
Garbage cans  
Highchairs  
Kennel runs  
Microwave ovens, exteriors of

Outdoor furniture  
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

Non-critical medical device surfaces:  
Beds [Medical] [Hospital]  
Bed frames  
Bed rails  
Bed rails  
Crutches  
Non-critical [hospital] [medical] equipment surfaces  
[Medical] Examining tables  
[Medical] [Hospital] Lamps  
[Medical] [Hospital] Scales  
Stands  
Stethoscopes  
Walkers  
Wheel chairs



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

DILUTION: (1:64) 2 ounces per gallon of water  
(660 ppm quat) 4 oz. per 2 gallons of water  
8 oz. per 4 gallons of water  
10 oz. per 5 gallons of water  
12 oz. per 6 gallons of water

**DIRECTIONS FOR USE**

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

*(Note for reviewer: For labels that list medical premises and metal and / or stainless steel surfaces, one of the following statements must be used:)*

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 devices prior to sterilization or high-level disinfection.  
*(or)*

This product is not for use on medical device surfaces.

**DISINFECTION / CLEANING / DEODORIZING**

**DIRECTIONS:** Remove heavy soil deposits from surface, then thoroughly wet surface with a use-solution of 2 ounces of the concentrate per gallon of water. The use-solution can be applied 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-64, when diluted in 400 ppm hard water (via use of automatic dispensing devices), remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesuis* 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) (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 use-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.

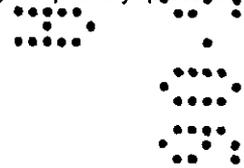
**FUNGICIDAL DIRECTIONS:**

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 2 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.

**CLEANING AND DISINFECTING HARD NONPOROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS):**

Preclean equipment if heavily soiled to ensure proper surface contact. Add 2 oz. of Formulation HWS-64 to one gallon of water. Gently mix for a uniform solution. 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 should remain wet for 10 minutes. Remove excess solution from equipment prior to storage. Comply with all OSHA regulations for cleaning respiratory protection (29 CFR §1910.134).





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

For cleaning and disinfecting 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 2 oz. of **FORMULATION HWS-64** per gallon of water (or equivalent dilution) for a period of 10 minutes. Wipe or allow to air dry. 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 4 - 8 oz. of Formulation HWS-64 per gallon of water. Heavily soiled areas may require repeated cleaning before treatment.

**FOR CANINE PARVOVIRUS ACTIVITY:**

Formulation HWS-64 is effective against Canine Parvovirus at 8 oz. per gallon. Follow Veterinary Practice / Animal Care / Animal Laboratory / Zoos / Pet Shop / Kennels Disinfection Directions.

**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 1:21 use-dilution (2 1/4 oz. per 4 gallons 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-64 is effective at eliminating odors on porous surfaces such as upholstery, drapes, carpets, bedding, shower curtains, mattresses 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:**

**Nursing Homes, Hospitals, Hotels, Schools, Restaurants:** Using 2 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 2 oz. per gallon of cleaning solution to eliminate undesirable odors.

**Laundry:** 2 oz. per load added during the final rinse cycle deodorizes all offensive odors.

**Air Freshener/Automotive Uses:** 8 oz. per gallon of water or desired concentration 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:** 2 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 2 oz. If odors return before time to empty, simply add 2 oz. to the tank. Kitchen waste: 2 oz. of **Formulation HWS-64** to gray water tank as needed to control malodors created by dirty dish water.

**Pet Odors:** Use 8 - 12 oz. per gallon of water or desired concentration, 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 2 – 4 oz. per gallon of water or desired concentration. Spray over affected areas before and after cleaning and extraction. Allow ten minutes contact time. Use proper ventilation; open windows.

**Cleaning Solution:** Dilute 2 oz. per gallon of water for cleaning of kitchen counters, tables, walls, bathrooms, toilet seats, mopping floors and large routine applications.

**WATER, SMOKE DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR HOME, INSTITUTIONAL, INDUSTRIAL AND HOSPITAL 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 2 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 2 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, nursing homes, schools, and hospitals. 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 2 oz. of concentrate per gallon of water. **For truck mounted extraction machines:** Mix 2 – 4 oz. of concentrate per gallon of water and meter at 4 gallons per hour. **For rotary floor machines:** Mix 2 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: If container size is one gallon or less, the following Storage and Disposal directions will be used:)*

**STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to children. Do not reuse empty container. (Wrap and) Discard in trash or recycle.

*(Note to reviewer: If container size is greater than one gallon, the following Storage and Disposal directions will be used:)*

**STORAGE AND DISPOSAL**

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

**Pesticide Storage**

Store in original container in areas inaccessible to children. Open dumping is prohibited. Do not reuse empty container.

**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 instruction, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal**

*(Plastic containers:)* Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by state and local authorities, burn. If burned, stay out of smoke.

*(Fiber Drums With Liner:)* Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

*(Metal Container:)* Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or dispose of by other procedures approved by state and local authorities.

*(For Bag-in-Box Containers:)* Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities by burning or dispose of by other procedures approved by state and local authorities. If burned, stay out of smoke.

