Anabec, Inc.
9393 Main Street
Clarence, NY 14031

Anasphere *Plus*

EPA Reg. No 61178-1-72786
EPA Est. No. 72786-NY-1

ANASPHERE *PLUS* COMPLETE BOOKLET OF DIRECTIONS FOR USE

ANASPHERE *PLUS*

DISINFECTANT, FUNGICIDE, MILDEWSTAT & VIRUCIDE*

CONCENTRATED FORMULA

Hospital Disinfectant - Detergent – Fungicide
Bactericide - Virucide* - Mildewstat

ACTIVE INGREDIENTS

Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride	2.37%
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	2.37%
INERT INGREDIENTS	95.26%
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT – FIRST AID
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
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 SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional medical advice, call the following emergency phone number: 800-262-8200.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Anabec, Inc.
716-759-1674 or 800-369-8463
REV111416-04

Made in the USA
www.anabec.com

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER Corrosive: Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Wear protective eyewear (goggles, face shield or safety glasses). Wear protective clothing and rubber gloves. Avoid contamination of food. 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.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

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

STORAGE: Do not store on side. Avoid creasing or impacting of side walls. Store securely in closed original container. Avoid storage at temperature extremes or in sunlight. Avoid shipping or storing below freezing. If product freezes, thaw at room temperature and shake gently to remix components. Use locked storage in an area that will prevent cross contamination of other pesticides, fertilizer, food and feed. Store in locked area inaccessible to children.

PESTICIDE DISPOSAL: Pesticides 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 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: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Discard Rinsate. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Nonrefillable container. Do not reuse or refill. Offer for recycling if available.

- *Water Damage Restoration*
- *Smoke Damage Restoration*
- *Disinfection/Fungicidal/*Virucidal**
- *Cleaning and Decontamination against HIV-1, HCV & HBV on Surfaces/Objects Soiled with Bloody/Body Fluids*
- *General Deodorization*
- *Mold & Mildew Control*
- *Disinfect Toilet Bowls*
- *Poultry (and Swine) Premise Sanitation Site Preparation*
- *Farm Premise Disinfection*
- *Veterinary Clinics/Animal Life Science Laboratory/Zoos/Pet Shop/Kennels/Breeding and grooming Establishment/Tack Shops Disinfection*
- *Sanitizing Incubators and Hatchers*
- *Commercial Florist Use*
- *Laundry Additive (Residual Bacteriostatic and Residual Self Sanitizing Activity under Conditions of High Relative Humidity or Wet Contamination) Against Odor-Causing Bacteria for Institutional, Industrial and Hospital Use*
- *Odors Caused by Dogs, Cats and Other Domestic Animals*
- *Carpet Deodorizer Against Odor-Causing Bacteria, for Home, Institutional, Industrial and Hospital Use*
- *Salon Barber Instruments and Tools Sanitizer*
- *Shoe Bath Sanitizer*
- *Food Processing Plants*

This product contains no phosphorous.

This product is a phosphate free, pH neutral formulation designed to provide effective cleaning, deodorizing and disinfection in areas where housekeeping is of prime importance in controlling the hazard of cross contamination on treated surfaces.

This product maximizes (improves) labor results by effectively controlling odors.

This product cleans by removing dirt, grime, blood, urine, fecal matter and other common soils found in animal housing facilities, livestock, swine poultry facilities, grooming facilities, farms, kennels, pet stores, veterinary clinics, laboratories or other small animal facilities. It (also) eliminates odors leaving surfaces smelling clean and fresh.

This product can be used to disinfect, clean and deodorize terrarium and small animal cages, hot rock, substrate and cage furniture (plastic terrarium ornaments, driftwood, heat caves and water dishes. ***(This use not allowed in California)***

When used as directed, this product will deodorize surfaces in restroom and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

Cross-contamination is of major housekeeping concern. This product has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but also in schools, institutions and industry.

This product delivers non-acid disinfection performance in an economical concentrate.

This product is a concentrated Hospital Use disinfectant that is effective against a broad spectrum of bacteria, is virucidal*, (and) fungicidal, and eliminates odor causing bacteria when used as directed.

This product is a one-step neutral disinfectant that is effective against a broad spectrum of bacteria, is virucidal* (including HIV-1, HCV & HBV) and inhibits the growth of mold and mildew and their odors when used as directed.

This product is an economical concentrate that can be used with a mop and bucket, trigger sprayers, (or) sponge, or by soaking.

This product will not leave a grit or soap scum.

Will not cause swelling of transducer membrane or harm compressor plates.

This product inhibits bacterial growth on moist surfaces and deodorizes by killing microorganisms that cause offensive odors. *(Not for use in California)*
This product is for use as a disinfectant on hard, non-porous surfaces (at 708 ppm active).

This product is for use in household and commercial humidifiers. Use of this product will control unpleasant (malodors) odors on commercial humidifiers. *(Not for use in California)*

This product is a versatile sanitizer and broad-spectrum disinfectant formulated for use in Ultrasonic Baths (Ultrasonic cleaning units).

This product is a versatile cleaner, broad-spectrum disinfectant and sanitizer formulated for use on bath and therapy equipment (Whirlpools).

This product may be applied through low-pressure sprayers, and fogging (wet misting) systems.

Use this product on the multi-touch surfaces responsible for cross-contamination.

This product provides effective cleaning strength that will not dull most metal-interlock floor finishes, and does not require a rinse prior to recoat.

Anasphere *Plus* is for use in:

- Hospitals, nursing homes, medical and dental offices and clinics, physician offices, operating rooms, isolation wards, and medical research facilities.
- Patient care rooms & facilities, recovery (rooms), anesthesia, Emergency Rooms, X-ray cat labs, newborn nurseries, orthopedics, whirlpool surfaces, footbath surfaces, respiratory therapy, surgi-centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms.
- EMS & fire facilities, emergency vehicles, ambulance(s), ambulance equipment/surfaces, police cars.
- Day care centers and nurseries, sick rooms.
- Acute care institutions, alternate care institutions, home healthcare institutions.
- Life care retirement communities.
- Supermarkets, convenience stores, retail and wholesale establishments, department stores, shopping malls, gift shops, video stores, bookstores, dressing rooms and laundries, photocopy centers, bicycle shops, auto repair centers.
- Computer manufacturing sites, toy factories.
- Crime scenes and funeral homes, mortuaries, burial vaults, mausoleums, autopsy rooms.
- Police stations, courthouses, correctional facilities, jails, prisons, municipal government buildings, penitentiaries, correctional institutions, bus stations, train stations.
- Institutional facilities, laboratories, factories, business and office buildings, restrooms, hotels and motels, and transportation terminals.
- Public restrooms, public facilities, waysides, travel rest areas, shower rooms, shower stalls, bathrooms.
- Hotel, motels, dormitories.
- Homes (households).
- Institutions, schools and colleges, churches, classrooms, community colleges, universities, athletic facilities and locker rooms, exercise rooms, exercise facilities, gyms, gymnasiums.
- Cosmetic manufacturing facilities, medical device manufacturing facilities, biotechnology firms, pharmaceutical manufacturing facilities.
- Heath clubs, spas, tanning spas, tanning beds, footbath surfaces, massage/facial salons, hair/nail/pedicure salons, barber/beauty shops, salons.
- Museums, art galleries, post offices, performance/theater centers, banks, libraries, movie houses, bowling alleys.
- Recycling centers.
- Humidifier water tanks. *(Not for use in California)*
- Campgrounds, playgrounds, recreational facilities, picnic facilities, sports arenas, sports complexes.
- Tobacco plant premise.
- Veterinary clinics, animal life science laboratories, kennels, dog/cat animal kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, tack shops and other animal care facilities.
- Household and automotive garages, boats, ships, barges, campers, trailers, mobile homes, cars, trucks, buses, trains, taxis and airplanes.
- Cruise lines, airline terminals, airports, shipping terminals, public transportation.
- Commercial florist and flower shops.
- Basements, cellars, bedrooms, attics, living rooms and porches.

Anasphere Plus may be used on washable hard non-porous surfaces such as:

- Glass, metal, stainless steel, glazed porcelain, glazed ceramic, granite, marble, plastic (such as polystyrene or polypropylene), sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome and vinyl.
- Enameled surfaces, painted (finished) woodwork, Formica®, vinyl and plastic upholstery.
- Examination tables, X ray tables, washing areas, animal grooming areas.
- Tables, chairs, desks, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans, cuspidors and spittoons.
- Exhaust fans, refrigerated storage and display equipment, coils and drain pans of air conditioning and refrigeration equipment and heat pumps.
- Large inflatable, non-porous, plastic and rubber structures such as animals, promotional items, moonwalks, slides, obstacle course play and exercise equipment.
- Hard, non-porous surfaces of picnic tables and outdoor furniture.
- Telephones and telephone booths.
- Highchairs, baby cribs, diaper changing stations, infant bassinets/cribs/warmers/ incubators/care equipment, folding tables.
- Bed railings, bedpans, cervical collars, CPR training mannequins, curing lights, neck braces, oxygen hoods, slit lamps, spine backboards, stretchers and unit stools.
- External lenses vision correction (not for use on contact lenses), light lens covers, optical instruments/implements.
- Foundations, steps, plumbing fixtures, finished baseboards and windowsills.
- Shower stalls, shower doors and curtains, bathtubs and glazed tiles, chrome plated intakes, toilets, toilet bowls, toilet bowl surfaces, urinals, empty diaper pails, portable and chemical toilets and latrine buckets, porcelain tile and restroom fixtures.
- Ultrasonic baths, whirlpools, whirlpool bathtubs.
- Kennels, kennel runs, cages, kennel/cage floors, conductive flooring.
- Wrestling and gymnastic mats, athletic training tables, physical therapy tables.
- Use Anabec Plus to clean non-porous personal protective safety equipment, protective headgear, athletic helmets, wrestling/boxing headgear, athletic shoe soles, 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 before reuse with clean warm water (about 120°F), and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)
- This product is for Poultry Premise Sanitation (Hatcheries)

  Egg Receiving Area, Tray Dumping Area, Chick Processing Area, Egg Holding Area, Chick Holding Area, Chick Loading Area, Setter Room, Hatchery Room, Poultry Buildings
- This product is for Swine Premise Sanitation:

  Farrowing Barns and Areas, Dressing Plants Blocks, Waterers and Feeders, Loading Equipment, Creep Area, Hauling Equipment, Nursery, Chutes
- This product meets AOAC Use – Dilution Test Standards for hospital disinfectants at 300 ppm water hardness.
- This product has passed the Virucidal* Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing Hepatitis B Virus.
- This product has passed the Virucidal* Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing Bovine Viral Diarrhea Virus BVDV (surrogate for human Hepatitis C virus).

- This product has passed the Virucidal* Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing Hepatitis C Virus (HCV). *(Not for use in California)*
- At 2 ounce per gallon (or equivalent use dilution of 1:64) in the presence of 5% organic load this product was proven to be effective against (*Duck*) Hepatitis B Virus (HBV) and Bovine Viral Diarrhea Virus BVDV (surrogate for human Hepatitis C virus) with a contact time of 10 minutes.
- This product has passed the Virucidal* Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing Human and *Canine Coronavirus*.
- This product is effective against the control of small flies on floors, walls, drains, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, kitchens, dishwashing areas, and bar and wait station areas.
- Efficacy tests have demonstrated that this product is an effective bactericide, virucide* and fungicide in the presence of organic soil (5% blood serum).
- For larger areas such as operating rooms and patient care facilities, this product is designed to provide both general cleaning and disinfection.

DIRECTIONS FOR USE

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

To be used in hospitals in the following areas as a disinfectant: operating rooms, patient care rooms & facilities, recovery, anesthesia, ER, radiology, X-ray cat labs, newborn nurseries, orthopedics, respiratory therapy, surgi-centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, nursing homes, doctor's offices & labs, dentists offices & labs (dental operatories).

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 preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

BACTERICIDAL STABILITY OF USE-DILUTION:

Tests confirm that this product, when diluted in 400 ppm hard water and in the presence of 5% soil load, remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Salmonella enterica* for up to 64 days when stored in a sealed container at room temperature.

If the use-dilution product becomes visibly dirty or contaminated, the use-dilution must be discarded and a fresh product prepared. Always use clean, properly labeled dry containers when diluting the product. Bactericidal stability of the use-dilution does not apply to open containers such as buckets or pails. Use-dilution product in open containers must be prepared daily or more often if the solution becomes visibly dirty or diluted or contaminated.

WATER DAMAGE RESTORATION (Not for use in California)

SANITIZER AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR HOME, INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE

Effective 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 cushion, sub floors, drywall, trim, and frame lumber, tackless strip and paneling. Using solutions recommended, saturate affected materials with enough product to remain wet for at least 10

minutes. Use proper ventilation.
Refer to the instructions given in Tables 1 and 2 prior to use of this product for water damage restoration.

Sewer backup & river flooding: During mitigation procedures, dilute 2 to 4 ounces of this product 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 affective areas with a sprayer using a coarse spray tip, before and after cleaning and extraction.
Carpets, carpet cushions and other porous materials such as sub floors, drywall, trim and frame lumber, tackless strip and paneling: For water damage from a clean water source, extract excess water. Test hidden area for color fastness. Dilute 2 to 4 ounces of the product per gallon of water, allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil. Apply directly with a sprayer using a coarse spray tip, to fully saturate affected materials. Roll, brush or agitate into materials and allow the materials to remain damp for 10 minutes. Follow with a through extraction. Dry rapidly and thoroughly.
Special Instructions for Cleaning Carpet Against Odor Causing Bacteria: This product may be used in industrial and institutional areas such as homes, motels & hotel chains, nursing homes, schools and hospital. For use on wet, cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness.
For portable extraction units: Mix 1 ounce of this product per gallon of water.
For truck mounted extraction machines: Mix 24 ounces of the product per gallon of water and meter at 4 gallons per hour.
For rotary floor machines: Mix 2 ounces of this product 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 this 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 carpet manufacturer's directions.

Table 1: Water Damage - Cleanup and Mold Prevention

Guidelines for Response to Clean Water Damage within 24-48 Hours to Prevent Mold Growth*

Water-Damaged Material†	Actions
Books and papers	For non-valuable items, discard books and papers. Photocopy valuable/important items, discard originals. Freeze (in frost-free freezer or meat locker) or freeze-dry.
Carpet and backing - dry within 24-48 hours§	Remove water with water extraction vacuum. Reduce ambient humidity levels with dehumidifier. Accelerate drying process with fans.
Ceiling tiles	Discard and replace.
Cellulose insulation	Discard and replace.
Concrete or cinder block surfaces	Remove water with water extraction vacuum. Accelerate drying process with dehumidifiers, fans, and/or heaters.
Fiberglass insulation	Discard and replace.
Hard surface, porous flooring§	(Linoleum, ceramic tile, vinyl) Vacuum or damp wipe with water and mild detergent and allow to dry; scrub if necessary. Check to

	make sure underflooring is dry; dry underflooring if necessary.
Non-porous, hard surfaces	(Plastics, metals) Vacuum or damp wipe with water and mild detergent and allow to dry; scrub if necessary.
Upholstered furniture	Remove water with water extraction vacuum. Accelerate drying process with dehumidifiers, fans, and/or heaters. May be difficult to completely dry within 48 hours. If the piece is valuable, you may wish to consult a restoration/water damage professional who specializes in furniture.
Wallboard	(Drywall and gypsum board) May be dried in place if there is no obvious swelling and the seams are intact. If not, remove, discard, and replace. Ventilate the wall cavity, if possible.
Window drapes	Follow laundering or cleaning instructions recommended by the manufacturer.
Wood surfaces	Remove moisture immediately and use dehumidifiers, gentle heat, and fans for drying. (Use caution when applying heat to hardwood floors.) Treated or finished wood surfaces may be cleaned with mild detergent and clean water and allowed to dry. Wet paneling should be pried away from wall for drying.

*** If mold growth has occurred or materials have been wet for more than 48 hours, consult Table 2 guidelines. Even if materials are dried within 48 hours, mold growth may have occurred. Items may be tested by professionals if there is doubt. Note that mold growth will not always occur after 48 hours; this is only a guideline. These guidelines are for damage caused by clean water. If you know or suspect that the water source is contaminated with sewage, or chemical or biological pollutants, then Personal Protective Equipment and containment are required by OSHA. An experienced professional should be consulted if you and/or your remediators do not have expertise remediating in contaminated water situations. Do not use fans before determining that the water is clean or sanitary.**

† If a particular item(s) has high monetary or sentimental value, you may wish to consult a restoration/water damage specialist.

§ The subfloor under the carpet or other flooring material must also be cleaned and dried. See the appropriate section of this table for recommended actions depending on the composition of the subfloor.

Table 2: Guidelines for Remediating Building Materials with Mold Growth Caused by Clean Water*			
Material or Furnishing Affected	Cleanup Methods (See following page	Personal Protective Equipment	Containment

	for descriptions)		
SMALL – Total Surface Area Affeced Less Than 10 square feet (ft^2)			
Books and Papers	3		
Carpet and backing	1, 3		
Concrete or cinder block	1, 3	Minimum	
Hard surface, porous flooring (linoleum, ceramic tile, vinyl)	1, 2, 3		
Non-Porous, hard surfaces (plastics, metals)	1, 2, 3	N-95 Respirator, gloves and goggles	None required
Upholstered furniture & drapes	1, 3		
Wallboard (drywall and gypsum board	3		
Wood surfaces	1, 2, 3		
MEDIUM – Total Surface Area Affeced Between 10 and 100 (ft^2)			
Books and Papers	3	Limited or Full	Limited
Carpet and backing	1, 3, 4		
Concrete or cinder block	1, 3	Use professional judgment, consider potential for remediator exposure and size of contaminated area	Use professional judgment, consider potential for remediator/occupant exposure and size of contaminated area
Hard surface, porous flooring (linoleum, ceramic tile, vinyl)	1, 2, 3		
Non-Porous, hard surfaces (plastics, metals)	1, 2, 3		
Upholstered furniture & drapes	1, 3, 4		
Wallboard (drywall and gypsum board	3, 4		
Wood surfaces	1, 2, 3		

LARGE – Total Surface Area Affeced Greater Than 100 (ft^2) or Potential for Increased Occupant or Remediator Exposure During Remediation Estimated to be Significant			
Books and Papers	3	Full	Full
Carpet and backing	1, 3, 4		

Concrete or cinder block	1, 3	Use professional judgment, consider potential for remediator/occupant exposure and size of contaminated area	Use professional judgment, consider potential for remediator exposure and size of contaminated area
Hard surface, porous flooring (linoleum, ceramic tile, vinyl)	1, 2, 3, 4		
Non-Porous, hard surfaces (plastics, metals)	1, 2, 3		
Upholstered furniture & drapes	1, 2, 4		
Wallboard (drywall and gypsum board	3, 4		
Wood surfaces	1, 2, 3, 4		

* Use professional judgment to determine prudent levels of Personal Protective Equipment and containment for each situation, particularly as the remediation site size increases and the potential for exposure and health effects rises. Assess the need for increased Personal Protective Equipment, if, during the remediation, more extensive contamination is encountered than was expected. Consult Table 1 if materials have been wet for less than 48 hours, and mold growth is not apparent. These guidelines are for damage caused by clean water. If you know or suspect that the water source is contaminated with sewage, or chemical or biological pollutants, then the Occupational Safety and Health Administration (OSHA) requires PPE and containment. An experienced professional should be consulted if you and/or your remediators do not have expertise in remediating contaminated water situations.

Cleanup Methods for Table 2 given above and on previous page:

Method 1: Wet vacuum (in the case of porous materials, some mold spores/fragments will remain in the material but will not grow if the material is completely dried). Steam cleaning may be an alternative for carpets and some upholstered furniture.

Method 2: Damp-wipe surfaces with plain water or with water and detergent solution (except wood —use wood floor cleaner); scrub as needed.

Method 3: High-efficiency particulate air (HEPA) vacuum after the material has been thoroughly dried. Dispose of the contents of the HEPA vacuum in well-sealed plastic bags.

Method 4: Discard - remove water-damaged materials and seal in plastic bags while inside of containment, if present. Dispose of as normal waste. HEPA vacuum area after it is dried.

Personal Protective Equipment (PPE)
Minimum: Gloves, N-95 respirator, goggles/eye protection
Limited: Gloves, N-95 respirator or half-face respirator with HEPA filter, disposable overalls, goggles/eye protection
Full: Gloves, disposable full body clothing, head gear, foot coverings, full-face respirator with HEPA filter

Containment
Limited: Use polyethylene sheeting ceiling to floor around affected area with a slit entry and covering flap; maintain area under negative pressure with HEPA filtered fan unit. Block supply and return air vents within containment area.
Full: Use two layers of fire-retardant polyethylene sheeting with one airlock chamber. Maintain area under negative pressure with HEPA filtered fan exhausted outside of building. Block supply

SMOKE DAMAGE RESTORATION *(Not for use in California)*

Effective against odor causing bacteria and fungi for home, institutional, industrial and hospital use. This product is particularly suitable for use in smoke damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, and frame lumber, tackless strip and paneling. Follow directions as outlined in the Water Damage Restoration section. Using solutions recommended, saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.
Refer to the instructions given in Tables 1 and 2 (above) prior to use of this product for smoke damage restoration.

DISINFECTION:
PREPARATION OF USE SOLUTION:

For water hardness up to 300 ppm add 2 ounces per gallon of water (1:64) to disinfect hard, non porous surfaces [Glass, metal, stainless steel, glazed porcelain, glazed ceramic, granite, marble, plastic (such as polystyrene or polypropylene), sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome and vinyl]. Apply solution with a cloth, mop, sponge, hand pump trigger sprayer or other mechanical sprayer devices. Treated surfaces must remain wet for 10 minutes. Let air dry. Prepare a fresh solution for each use. Anasphere *Plus* is effective in hard water up to 300 ppm hardness.

This product, in the presence of a 98 % organic soil load, diluted 1:64 (2 ounces per gallon) in 791 ppm Hard Water, demonstrated efficacy within 10 minutes against the following organisms: *Staphylococcus aureus*, *Salmonella enterica*.

This product is a Hospital Use Disinfectant at 2 ounces per gallon, (1:64 dilution), modified in the presence of 300 ppm hard water (calculated as CaCO3) and in the presence of organic soil (5% blood serum) for a contact time of 10 minutes.

Remove gross filth or heavy soil. For heavily soiled areas, a pre-cleaning step is required.

This product is Bactericidal according to the AOAC Use Dilution Test Method, Virucidal* according to the virucidal qualification on hard, inanimate surfaces, modified in the presence of 5% organic serum against the microorganisms listed as follows:
Note that the organisms referenced in the above statement are not associated with blood spills. For blood spills, the surface must be thoroughly cleaned before applying the disinfectant.

***Disinfection Performance*:** At 2 ounces of this product to one gallon of water use level, this product is bactericidal and fungicidal on hard inanimate surfaces modified in the presence of 5% organic serum with a 10 minute contact time against:

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ANASPHERE *PLUS* COMPLETE BOOKLET OF DIRECTIONS FOR USE

Isolates From AIDS Patients
1. *Aspergillus niger*
2. *Candida albicans*
3. *Cryptococcus neoformans*
4. *Pseudomonas aeruginosa*
5. *Staphylococcus aureus*
6. *Streptococcus pneumoniae*

Gram Positive Clinical Isolates
7. *Enterococcus faecalis*
8. *Micrococcus luteus*
9. *Staphylococcus aureus*
10. *Staphylococcus aureus (Toxic shock)*
11. *Staphylococcus epidermidis*
12. *Staphylococcus saprophyticus*
13. *Streptococcus haemoiyticus*
14. *Streptococcus pyogenes*

Gram Negative Clinical Isolates
15. *Acinetobacter calcoaceticus var. anitratus*
16. *Acinetobacter calcoaceticus var. lwoffii*
17. *Bordetella bronchiseptica*
18. *Brevundimonas diminuta*
19. *Burkholderia cepacia*
20. *Enterobacter agglomerans*
21. *Enterobacter cloacae*
22. *Enterobacter gergoviae*
23. *Enterobacter liquefaciens*
24. *Escherichia coli (Urinary)*
25. *Escherichia coli (Wound)*
26. *Flavobacterium meningosepticum*
27. *Hafnia alvei*
28. *Klebsiella oxytoca*
29. *Klebsiella pneumoniae*
30. *Morganella morganii*
31. *Proteus mirabilis*
32. *Proteus vulgaris*
33. *Pseudomonas aeruginosa*
34. *Pseudomonas fluorescens*
35. *Pseudomonas pseudomallei*
36. *Pseudomonas putida*
37. *Pseudomonas stutzeri*
38. *Serratia marcescens*
39. *Sphingomonas paucimobilis*

Other Bacteria
40. *Actinobacillus pleuropneumoniae*
41. *Actinomyces pyogenes*
42. *Bacillus cereus*
43. *Bacteroides fragilis*
44. *Corynebacterium ammoniagenes (Brevibacterium ammoniagenes)*
45. *Bordetella bronchiseptica*
46. *Burkholderia pickettii*
47. *Campylobacter jejuni*
48. *Chryseomonas luteola*
49. *Corynebacterium pseudotuberculosis*
50. *Enterobacter aerogenes*
51. *Enterococcus faecalis*
52. *Enterococcus faecium*
53. *Enterococcus hirae*
54. *Escherichia coli*
55. *Escherichia coli strain 0157:H7*
56. *Escherichia vulneris*
57. *Haemophilus influenzae*
58. *Klebsiella pneumoniae*
59. *Listeria monocytogenes*
60. *Pasteurella haemolytica*
61. *Pseudomonas aeruginosa*
62. *Rhodococcus equi*
63. *Salmonella enterica*
64. *Salmonella schottmuelleri*
65. *Salmonella typhi*
66. *Shigella dysenteriae*
67. *Staphylococcus aureus*
68. *Staphylococcus auricularis*
69. *Staphylococcus capitis*
70. *Staphylococcus hominis*
71. *Staphylococcus simulans*
72. *Stenotrophomonas maltophilia*
73. *Streptococcus equi var. equi*
74. *Streptococcus equi var. zooepidermicus*
75. *Streptococcus pneumoniae (PRSP)*
76. *Streptococcus pyogenes*
77. *Streptococcus salivarius*
78. *Yersinia enterocolitica*

Pathogenic Fungi
79. *Trichophyton mentagrophytes*

Environmental Fungi
80. *Aspergillus candidus*
81. *Aspergillus niger*
82. *Penicillium chermesinum*
83. *Penicillium oxalicum*
84. *Penicillium spinulosum*
85. *Ulocladium sp.*

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86. *Pseudomonas aeruginosa* (Sulfa, Cefatoxime, Nitrofurantoin, Tetracycline, Amikacin, Ampicillin, Cephalothin and Bactine Resistant)
87. *Escherichia coli* (Ampicillin, Tetracycline, Penicillin and Sulfa Resistant)
88. *Klebsiella oxytoca* (Ampicillin, Sulfanilimide and Tetracycline Resistant)
89. *Klebsiella pneumoniae* type 1 (Ampicillin, Tetracycline, Cephalothin and Sulfa Resistant)
90. *Morganella morganii* (Penicillin and Tetracycline Resistant)
91. *Enterobacter agglomerans* (Ampicillin and Sulfanylimide Resistant)
92. *Salmonella choleraesuis* (Antibiotic Resistant)
93. *Enterobacteriacia with extended beta-lactamase resistance*
(Ampicillin and Piperacillin Resistant)
Antibiotic Resistant Gram Positive Bacteria
94. *Enterococcus faecalis* (Vancomycin Resistant-VRE)
95. *Enterococcus faecium* (Vancomycin Resistant-VRE)
96. *Staphylococcus aureus* (Methicillin-MRSA, Community Associated Methicillin Resistant - CA-MRSA PVL Positive)
97. *Staphylococcus aureus* (CA-MRSA Genotype USA 400)
98. *Staphylococcus aureus* (Penicillin G, Penicillin, Ampicillin, Cefazolin, Cefatoxime, Chloramphenicol, Ciprofloxacin, Clindimycin, Erythromycin, Oxacillin, Rifampin, Tetracycline Resistant)
99. *Staphylococcus aureus* (Vancomycin Resistant – VRSA)
100. *Staphylococcus aureus* (Vancomycin Resistant Intermediate-VISA)
101. *Staphylococcus epidermidis* (Ampicillin and Drug Resistant)

Virucidal* Performance: At 2 ounces per gallon (1:64) use level, this product was evaluated in the presence of 5% serum with a 10 minute contact time unless otherwise noted below and found to be effective against the following viruses on hard, non-porous environmental surfaces:

Human Viruses
102. Adenovirus type 2
103. Cytomegalovirus
104. HBV (Hepatitis B Virus)
105. HCV (Hepatitis C Virus)
106. Herpes Simplex type 1 Virus
107. Herpes Simplex type 2 Virus
108. HIV-1 (AIDS Virus)
109. Human Coronavirus
110. Influenza A/Brazil Virus
111. Influenza A/Victoria (H3N2) Virus
112. Influenza A2-Asian Virus
113. Influenza B Virus (Allen strain)
114. Influenza C Virus (Taylor strain)
115. Measles Virus
116. Parainfluenza Virus type 1
117. Poliovirus type 1 (Chat strain) 30 minutes contact time
118. Respiratory Syncytial Virus
119. Rotavirus
120. Vaccinia Virus

Animal Premise Virucidal* Performance: At 2 ounces per gallon (1:64) use level, this product was evaluated in the presence of 5% serum with a 10 minute contact time and found to be effective against the following viruses on hard, non-porous environmental surfaces:

Non-Human Viruses
121. Avian Influenza/Turkey/Wisconsin Virus
122. Canine Coronavirus
123. Canine Distemper Virus
124. Canine Herpesvirus
125. Equine Herpesvirus
126. Equine Influenza Virus
127. Feline Calicivirus
128. Norovirus
129. Feline Infectious Peritonitis Virus
130. Infectious Bovine Rhinotracheitis Virus (IBR)
131. Newcastle Disease Virus
132. Porcine Parvovirus
133. Porcine Respiratory & Reproductive Syndrome Virus (PRRSV)
134. Porcine Rotavirus
135. Pseudorabies Virus
136. Transmissible Gastroenteritis Virus (TGE)
137. T1 bacteriophage
138. T4 bacteriophage
139. Vesicular Stomatitis Virus (VSV)
140. Bovine Viral Diarrhea Virus (BVDV)
141. Avian Influenza Virus (H5N1)

Disinfection/Fungicidal/*Virucidal* Directions:

Apply use solution to hard inanimate, non-porous surfaces thoroughly wetting surfaces with a cloth, mop, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications use a coarse spray device. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray.

Add 2 ounces per gallon of water to disinfect hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution at least daily or when use dilution becomes diluted or soiled.

Hospitals, Dental Offices, Nursing Homes and other Health Care Institutions
Disinfection/Fungicidal and Virucidal Dilution Chart

Ounces of Product	Amount of Water
½ ounce	1 quart
1 ounce	½ gallon
2 ounces	1 gallon
5 ounces	2 ½ gallons
10.0 ounces	5 gallons
20.0 ounces	10 gallons

At 2 ounces per one gallon (or equivalent use dilution of 1:64) in the presence of 300 ppm hard water (CaCO3). This product was proven to be effective against Hepatitis B Virus with a contact time of 10 minutes.

At 2 ounces per gallon (or equivalent use dilution of 1:64) in the presence of 5% organic load this product was proven to be effective against Hepatitis B Virus (HBV) and Bovine Viral Diarrhea Virus BVDV (surrogate for human Hepatitis C virus) with a contact time of 10 minutes.

At 2 ounces per one gallon (or equivalent use dilution of 1:64) in the presence of 300 ppm hard water (CaCO3) and 5% organic load this product was proven to be effective against Hepatitis C Virus (HCV) with a contact time of 10 minutes. *(Not for use in California)*

KILLS HIV, HCV & HBV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care setting or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with body fluids and in which 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) (associated with AIDS), Hepatitis C Virus (HCV) and Hepatitis B Virus.

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HCV & HBV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

PERSONAL PROTECTION:
Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks and eye coverings.
CLEANING PROCEDURE: Blood and other body fluids containing HIV-1 must be thoroughly cleaned from surfaces and objects before application of this product.
DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids must be autoclaved and disposed of according to Federal, State and local regulations for infectious waste disposal.
CONTACT TIME: Leave surfaces wet for 30 seconds for HIV-1 and 10 minutes for HCV and HBV. The contact time for the viruses, fungi and bacteria listed on this label is 10 minutes except for Polio virus Type 1 (Chat strain) which is 30 minutes.

Cleansing of Body Surfaces and Body Orifices of Human Remains: **To cleanse away skin secretions and accompanying malodor and to insure the removal of all soil and bloodstains, apply 2 ounces of this product to a gallon of water (708 ppm active) to the surfaces and body openings, natural or artificial. Bathe the entire body using sponge or washcloth. A soft brush may be employed on surfaces other than the face. Allow a 10 minute contact time for optimal results. Prepare a fresh solution for application of each remains.**

FUNGICIDAL: At 2 ounces per gallon use-level, (or equivalent use dilution) is effective against the pathogenic fungus *Trichophyton mentagrophytes* (athlete's foot fungus - cause of Ringworm) on inanimate surfaces in the presence of 5% organic soil load and 300 ppm water hardness as CaCO3 in locker rooms, dressing rooms, shower and bath areas and exercise facilities. Contact time – 10 minutes.

This product, in the presence of a ~ 100% organic soil load, diluted 1:64 (2 ounces per gallon) in 395 ppm Hard Water, demonstrated efficacy within 10 minutes against the following pathogenic fungus: *Trichophyton mentagrophytes*. Note that the organism referenced in the previous statement is not associated with blood spills. For blood spills, the surface must be thoroughly cleaned before applying this product.

VIRUCIDAL*: When used on inanimate, hard, non-porous, environmental surfaces at 2 ounces per gallon of water for a 10 minute contact time (5% organic soil), except for Poliovirus type 1 (Chat strain): which requires a 30 minute contact time (5% organic soil) and HIV-1 which requires only a 30 second contact time.

This product, in the presence of a 98 % organic soil load, diluted 1:64 (2 ounces per gallon) in 400 ppm Hard Water, demonstrated efficacy within 10 minutes against the following virus: *Human Coronavirus*. Note that the organism referenced in the above statement is not associated with blood spills. For blood spills, the surface must be thoroughly cleaned before applying this product.

GENERAL DEODORIZATION

To deodorize, add 2 ounces of this product per gallon of water. Excess material must be wiped up or allowed to air dry.

For Use on Finished Floors:
To limit gloss reduction, use 2 ounces of this product per gallon of water. Apply with a damp mop or auto scrubber. Allow to air dry.

For Deodorizing Garbage Cans, Garbage Trucks, Industrial Waste Receptacles and Garbage Handling Equipment: It is especially important to preclean for the product to perform properly. Then, apply a wetting concentration of 6 ounces of this product per gallon of water (or equivalent use dilution) for a contact time of 10 minutes.

For Odors Caused by Dogs, Cats and Other Domestic Animals: Use on rugs, floors, walls, tile, cages, crates, litter boxes, mats, floor coverings, or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for "General Deodorization".

Mold and Mildew Control Directions: Add 2 ounces per gallon of water to control the growth of mold and mildew and their odors on hard, non-porous surfaces. Thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or when growth or odor reappear(s).

To control the growth of mold and mildew on large inflatable, non-porous plastic and rubber structures (animals, promotional items, moonwalks, slides, 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 2 ounces per gallon (or equivalent dilution) for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

To control the growth of mold and mildew on non-porous athletic equipment (wrestling and gymnastic mats, athletic training tables, physical therapy tables, athletic helmets, wrestling/boxing headgear, athletic shoe soles)**:** Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use solution of 2 ounces per gallon of water (or equivalent dilution) for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

Disinfection/Fungicide/Virucide* for Barber/Salon Tools Directions: Immerse pre-cleaned barber/salon tools, such as combs, brushes, razors, clipper and trimmer blades, tweezers manicure/pedicure tools and scissors, in a 2 ounces per gallon solution of the product (or equivalent use dilution). Completely immerse instruments and tools for at least 10 minutes. Rinse thoroughly and dry before use. Prepare fresh solution at least daily or more often if solution becomes cloudy or soiled. **NOTE:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean noncontaminated receptacle. Prolonged soaking may cause damage to metal instruments.

Disinfection of Hard, Non-Porous 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 2 ounces per gallon of water (or equivalent use dilution) to exposed surfaces with a cloth, mop, sponge or sprayer. Brush or swab thoroughly and allow solution to stand for 10 minutes. For spray applications, use a coarse spray device. Do not breathe spray. After the unit has been thoroughly disinfected, rinse all cleaned surfaces with fresh water. Do not use equipment until treatment has been absorbed, set or dried.

DISINFECT TOILET BOWLS

NON-ACID TOILET BOWL (AND URINAL) DISINFECTION/CLEANER DIRECTIONS
Remove gross filth prior to disinfection.
From Concentrate: Add 2 ounces (16 milliliters per liter) to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim with a cloth, mop, or sponge. Repeat and allow to stand for 10 minutes and flush.
From Use Solution: Empty toilet bowl or urinal and apply 2 ounces per gallon use solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, brush or swab thoroughly and allow to stand for 10 minutes and flush.
For Heavy Duty Use: Empty toilet bowl or urinal and apply 8 ounces per gallon use solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, brush or swab thoroughly and allow to stand for 10 minutes and flush.
Cleaning/Deodorizing Directions: Add 1 to 4 ounces per gallon of water to clean and deodorize windows, mirrors and non-food contact glass surfaces. When using a coarse spray device, spray 6-8 inches from surface. Rub with sponge or cloth. Do not breathe spray.

Ultrasonic Bath Disinfectant Directions: Use this product to disinfect hard (inanimate) nonporous non-critical objects compatible with Ultrasonic cleaning units. Pour fresh solution of 2 ounces per gallon of water (or equivalent use dilution) directly into bath chamber. Preclean soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to manufacturers' use directions. Remove objects and rinse with sterile water (sterile water for injection), or allow to air dry. Replace solution at least daily or when solution becomes visible dirty or discolored.

For Disinfecting Hard, Non-porous Fiberglass Bath and Therapy Equipment: To remove body oils, dead tissue, soil and all other buildups or organic matter on inanimate surfaces after using the whirlpool unit, drain the water and refill with fresh water to just cover the intake valve. Add 10 ounces of this product for each 5 gallons of water (2 ounces per one gallon) in the unit at this point. Briefly start the pump to circulate the solutions. Turn off pump. Wash down the unit sides, seat of the chair lift, and any/all related equipment with a clean swab, brush or sponge. Product to surface contact time must be at least 10 minutes for proper disinfection. After the unit has been thoroughly disinfected, drain solutions from the unit and rinse any/all cleaned surfaces with fresh water. The unit is ready for reuse.

Disinfection of Hard Non-Porous Surfaces in Whirlpool Units: After using the whirlpool unit, drain and refill with fresh water to just cover the intake valve. Add 2 ounces of this product for each gallon of water at this point. Briefly start the pump to circulate the solution. Turn off the pump. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units.

To Disinfect Food-Processing and Tobacco Premises: Before using this product, food products and packaging materials must be removed from area or carefully protected. For floors, walls and storage

areas, add 2 ounces of this product per gallon of water (or equivalent use dilution). For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. For sprayer applications use a coarse spray device. Allow to remain wet for 10 minutes, then remove excess liquid. After use, all surfaces in the area must be thoroughly rinsed with potable water.

Disinfecting Potato storage area and equipment: Remove all potatoes prior to disinfection of potato storage area and equipment. Pre-clean hard surfaces by removing heavy soils or gross filth. Follow general disinfecting directions as outlined in that section. All treated surfaces must be thoroughly rinsed with potable water prior to reuse.

For Use on Non-Food Contact Surfaces as a General Disinfectant in the Brewery Industry: Use 2 ounces of this product per gallon of water (or equivalent use dilution). Follow the general disinfectant directions above.

Directions for Fogging: For use in dairies, beverage and food processing plants. Prior to fogging, food products and packaging material must be removed from the room or carefully protected. After cleaning, fog desired areas using one quart per 1000 cubic feet of room area with a product solution containing 3 ounces product to 1 gallon of water (or equivalent use dilution) (1,062 ppm). Vacate the area of all personnel for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. All food contact surfaces must be sanitized with an EPA approved food contact sanitizer prior to use. Allow food contact surfaces to drain thoroughly before operations are resumed. Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus.
NOTE: The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances must a room or building be entered by anyone within two hours of the actual fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. If the building must be entered, then the individuals entering the building must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants.

FOGGING IS TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUAL CLEANING AND DISINFECTING OF ROOM AND MACHINE SURFACES.

POULTRY (AND SWINE) PREMISE SANITATION SITE PREPARATION

The first step in any on-going sanitation program should be the removal of gross contamination and debris. This may be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated thoroughly clean all surfaces with soap or detergent and rinse with water.

Disinfection/Fungicide/Virucide* of Poultry/Turkey Equipment, Swine Quarters, Animal Quarters and Kennels Directions: Prior to use, remove all poultry, other animals and their feed from premises, vehicles (trucks) and enclosures such as coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 2 ounces of this product per gallon of water (or equivalent use dilution). Saturate surfaces with the disinfecting solution for a period of 10 minutes. 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. After application, ventilate buildings, coops and other closed spaces. Do not house poultry, or other animals or employ equipment until treatment has been absorbed, set or dried. All treated equipment that will contact feed or drinking water (racks, troughs, automatic feeders, fountains and waterers) must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse.

HATCHERIES: For disinfection/fungicide/virucide, use 2 ounces of this product per gallon of water. Apply to hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to solution for 10 minutes or more and allow to air dry.

VEHICLES: Clean all vehicles including mats, crates, cabs, and wheels with high-pressure water and this product. For sprayer applications, use a coarse spray. Use 2 ounces of this product per gallon of water for disinfection/fungicide/virucide. Leave all treated surfaces exposed to solution for 10 minutes or more and allow to air dry.

DRESSING PLANT AND RENDERING PLANT DISINFECTION – FUNGICIDE – VIRUCIDE
USE DIRECTIONS: Cover or remove all food and packaging materials. Remove all gross soils. Disinfect walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Saturate all surfaces with the use solution, 2 ounces of this product per gallon of water. Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water.

FARM PREMISE DISINFECTION DIRECTIONS
For use in Equine, Dairy and Hog Farms:
1. Remove all animals and feed from premises, vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, chutes 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 and rinse with water.
5. Saturate all surfaces with the disinfecting solution at 2 ounces per gallon of water 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, scrappers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

For Treatment of Animal Housing Facilities:
1. Remove all animals and feed from premises, vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, chutes 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 and rinse with water.
5. Saturate all surfaces (floors, walls, cages and other washable hard, non-porous environmental surfaces) with the disinfecting solution at 2 ounces per gallon of water (or equivalent use dilution) for a period of 10 minutes. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrappers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

Terrarium and Small Animal Cage and Cage Furniture Disinfection *(This use not allowed*

***in California)*:** Animals frequently defecate on hot rocks and other cage furniture items inside your terrarium. This can result in high bacteria and ammonia levels that can lead to possible infection/disease in your animals. When used regularly this product can eliminate these high bacteria/ammonia levels in your cage and on your cage furniture items.
1. Remove all animals.
2. Thoroughly clean all surfaces and objects (hot rocks, caves, cage furniture, feeding and watering dishes, and appliances) including the substrate in the terrarium or cage with soap or detergent and rinse with water.
3. Saturate all surfaces (floors, walls, cages and other washable hard, non-porous environmental surfaces) with the disinfecting solution at 2 ounces per gallon of water (or equivalent use dilution) for a period of 10 minutes. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet. Then wipe surfaces dry.
4. Saturate gravel as above and let stand for 10 minutes. Place in bucket of clean water and swirl for 15 30 seconds. Thoroughly air dry before returning to terrarium.
5. Do not return animals to the habitat until it is dry and ventilated.
6. Thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before reuse.
7. Clean terrarium at least once weekly or more as needed.
8. Do not apply this product directly on to the small animal. If this product comes into contact with the small animal's skin, then immediately wash the material off of the animal with lukewarm water. If the small animal ingests the product, contact your veterinarian immediately.

Note: Substrates for desert terrariums (i.e. gravel) must be completely dry before returning to terrarium to avoid high humidity levels. Always replace substrate if a foul odor persists.

Veterinary Clinics/Animal Life Science Laboratory/Zoos/Pet Shop/Kennels/Breeding and grooming Establishment/Tack Shops Disinfection Directions: For cleaning and disinfecting the following hard non-porous surfaces: equipment, utensils, instruments, cages, kennels, stables, stalls and catteries. 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 transversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use solution of 2 ounces per gallon of water (or equivalent dilution) for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels, scrappers, used in removing litter and manure. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, automatic feeders, waterers and other equipment which dispenses food or water with soap or detergent, and rinse with potable water before reuse.

SANITIZING HATCHERY ROOMS USING FOGGING DEVICES

Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of the room to be treated. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Close room off so fog is confined to room to be treated. Mix 1½ gallons of this product to 2½ gallons water. Insert the nozzle of the fogger through a suitable opening into the room. With the setting in maximum output, fog for one minute for each 4000 cubic feet of space in the room. When fogging is completed ventilate buildings and other closed spaces. Vacate the area of all personal for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. Do not house livestock or employ equipment until treatment has been absorbed or dried. Thoroughly clean all surfaces with soap or detergent and rinse with water. Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus.

SANITIZING INCUBATORS AND HATCHERS USING FOGGING DEVICES

Mix 24 ounces of this product to 122 ounces of water. Fog 3-8 ounces of this into setters and hatchers immediately after transfer. Repeat daily in setters and every 12 hours in hatchers. Discontinue hatcher treatments at least 24 hours prior to pulling the hatch. It is acceptable to fog setters and hatchers with 2 ounces per gallon solution of this product on an hourly or every other hour basis. If this is done, fog for 30-90 seconds once per hour or once every two hours. When fogging is complete, ventilate buildings, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse. Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus. Only for treatment of setters and hatchers after poultry/chicks/eggs have been removed. Not for treatment of hatchers which contain chicks/eggs.

NOTE: The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances must a room or building be entered by anyone within two hours of the actual fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. If the building must be entered, then the individuals entering the building must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants.

FOGGING IS TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUAL CLEANING AND DISINFECTING OF ROOM AND MACHINE SURFACES.

COMMERCIAL FLORIST USE DIRECTIONS *(Not for use in California)***:** To clean, disinfect and deodorize hard non-porous surfaces in one step, prepare use solution by adding (mixing) 2 ounces per gallon of water (1:64). For heavy-duty use, add (mix) 8 ounces per gallon of water (1:16). Remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply use solution to hard (inanimate) non-porous surfaces thoroughly wetting surfaces as recommended and required, with a cloth, mop, brush, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Allow to air dry. Prepare a fresh solution at least daily or when use solution becomes visibly dirty.

FOR CONTROL OF SMALL FLIES IN DRAINS: For control of small flies: *Drosophila* spp. And the *Phoridae* family. Spray or pour solution of 2 ounces per gallon of water (or equivalent use dilution) into drain during time of lowest level of drain use. Add 14 ounces of solution daily to each drain to maintain fly control. Apply around the edge of the drain and coat all sides of inside of drain.

Waterbed Conditioner: When used as a waterbed conditioner, controls the growth of odorcausing and slime-forming bacteria. Prevents bubbles, preserves plasticizers, conditions vinyl interior, sequesters minerals. If bed has not been treated properly, drain bed completely. Add 15 gallons of water, mix vigorously, drain bed again. Fill bed with water and follow dosage directions.
Dosage: To control growth of odor-causing and slime-forming bacteria, add 7.6 fluid ounces in a free flow waterbed of 90 to 180 gallon capacity. Add 15¼ fluid ounces in a waveless/fiber waterbed mattress of 90 to 180 gallon capacity. Repeat application every 4 to 6 months.

LAUNDRY ADDITIVE (RESIDUAL BACTERIOSTATIC AND RESIDUAL SELF SANITIZING ACTIVITY UNDER CONDITIONS OF HIGH RELATIVE HUMIDITY OR WET CONTAMINATION) AGAINST ODOR-CAUSING BACTERIA FOR INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE. This product sanitizes laundry such as bedspreads, sheets, pillowcases, diapers, towels, and other wet linens by controlling and/or reducing the growth of odor-causing bacteria. It can be used in industrial and institutional areas such as motels, hotel chains, nursing homes and hospitals. This product is used as an addition to the final rinse cycle.

Add 8 fluid ounces of this product per 100 lbs. of dry laundry to the final rinse cycle water (200 ppm). If the product is to be diluted prior to adding it to the final rinse cycle, use 1 ounce per gallon of water and then add to the washwheel in the final rinse cycle.

SHOE BATH SANITIZER: To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in 2 ounces of this product per gallon (16 milliliters per liter) of water solution for 1 minute prior to entering area. Change the sanitizer solution in the bath at least daily or sooner if solution appears dirty.

SHOE FOAM DIRECTIONS *(Not for use in California)***:** To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, apply a foam layer approximately 0.5 to 2 inches thick made from a solution of 2 to 2¾ ounces per gallon of water (or equivalent use dilution) (708 to 1029 ppm active) at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacture of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area for 1 minute prior to entering area. Foam area must be washed and replaced at least daily or when it appears dirty.

(For food processing or other facilities that have installed entryway sanitizing systems)

ENTRYWAY SANITIZING SYSTEMS: To prevent cross contamination from area to area, set the system to deliver (2 oz. per gallon of water) of sanitizing solution. The (spray) (foam) must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor.
Do not mix other foam additives to the sanitizing solution.

SALON/BARBER INSTRUMENTS AND TOOLS SANITIZER DIRECTIONS: Pre-clean soiled instruments and tools. Completely immerse water safe non-porous instruments and tools in a solution of 2 ounces per gallon (or equivalent use dilution) of water for at least 1 minute. Rinse thoroughly and dry before use. Fresh solution must be prepared at least daily or more often if solution becomes cloudy or soiled.
NOTE: Plastics may remain immersed until ready to use. Stainless steel shears and metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean noncontaminated receptacle. Prolonged soaking may cause damage to metal instruments.

Ultrasonic Bath Disinfection Directions: Use this product to disinfect hard, (inanimate) nonporous, non-critical objects compatible with Ultrasonic cleaning units. Pour a fresh solution of 2 ounces per gallon of water (or equivalent use dilution) directly into bath chamber. Pre-clean soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to manufacturers' use directions. Remove objects and rinse with sterile water (sterile water for injection), or allow to air dry. Replace solution at least daily or when solution becomes visible dirty or discolored.

Disinfection of Hard, Non-Porous Surfaces in Whirlpool Units: After using the whirlpool unit, drain and refill with fresh water to just cover the intake valve. Add 2 ounces of this product for each gallon of (or equivalent use dilution) water at this point. Briefly start the pump to circulate the solution. Turn off the pump. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units.

Humidifier Directions *(Not applicable in CA)***:** Thoroughly clean water tank and filters. Add 0.4 ounces of this product per gallon of refill water. Not for use in heat or atomizing type humidifiers.
or
Humidifier Bacteria/Algae Treatment *(Not for use in California)***:** Formulated for use in portable humidifiers. Thoroughly clean water tank and filters before each heating season, or sooner if necessary. For every gallon of water in the humidifier tank add 0.4 ounces of this product. When you refill the tank, add 0.4 ounces of this product for every gallon of water added. Not for use in heat vaporizing or atomizing type humidifiers.

Special Instructions for Cleaning Carpet Against Odor Causing Bacteria: This product may be used in industrial, institutional, commercial and residential areas such as homes, motels & hotel chains, nursing homes, schools and hospital. For use on wet, cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness.

For portable extraction units: Mix 1 ounce of this product per gallon of water.

For truck mounted extraction machines: Mix 24 ounces of the product per gallon of water and meter at 4 gallons per hour.

For rotary floor machines: Mix 2 ounces of this product 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 this 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 carpet manufacturer's directions.

CARPET DEODORIZER AGAINST ODOR-CAUSING BACTERIA, FOR HOME, INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE

This product cleans and deodorizes the carpet (by controlling/reducing the growth of odorcausing bacteria). It can be used in industrial, institutional, commercial and residential areas such as homes, motels, hotels chains, nursing homes and hospitals. *(Note to reviewer: statement in parenthesis not allowed for use in California.)*

Vacuum carpet thoroughly prior to application. Mix 1 ounce of product per gallon of water. Follow the injection and/or extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, mix 2 ounces per gallon of water and spray on carpet at a rate of 300-500 sq. ft. per gallon.

For use on washable synthetic fibers. Do not use on wool. Test color fastness of carpet before use. Apply diluted product to a small concealed spot, then rub with a clean white cloth. If color changes or transfers to cloth, a water-based product should not be used. After using the product, set carpet pile in one direction with a stiff brush. Place aluminum foil under the legs of furniture while carpet is drying. Over-wetting can cause carpet to shrink. Manufacturer assumes no responsibility for over-wetting misuse.
Note: This product should not be mixed with other cleaning products.

FOOD PROCESSING PLANTS USING FOGGING DEVICES

For use in dairies, beverage and food processing plants. Prior to fogging, food products and packaging material must be removed from the room or carefully protected. Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus. After cleaning, fog desired areas using 1 quart per 1000 cubic feet of room area with a solution containing 2 7/8 ounces of product to 1 gallon of water (1,062 ppm). Vacate the area of all personnel for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. All food contact surfaces must be thoroughly rinsed prior to reuse with potable water then sanitized with an EPA approved food contact sanitizer.

NOTE: The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances must a room or building be entered by anyone within two hours of the actual fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. If the building must be entered, then the individuals entering the building must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants.

FOGGING IS TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUAL CLEANING AND DISINFECTING OF ROOM AND MACHINE SURFACES.

MUSHROOM FARM INDUSTRY USE DIRECTIONS

Site Preparation: The first step in any on going sanitation program should be the removal of gross contamination and debris. This may be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.

Disinfection: Use 2 ounces of this product per gallon of water (or equivalent dilution). Wet all surfaces thoroughly. Treated surfaces should be allowed to remain wet for 10 minutes. Let airdry. For heavily soiled areas, preclean first. Prepare a fresh solution for each use.

For Heavy Duty Cleaning: When greater cleaning is desired, use 4 ounces of this product per gallon of water (or equivalent dilution). Heavily soiled areas may require repeated cleaning before treatment.

DO NOT APPLY TO THE MUSHROOM CROP, COMPOST OR CASING. Rinse treated surfaces with potable water before they contact the crop, compost or casing.

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