

ANNIHILATE is designed for use in hospitals, nursing homes, hotels, schools, homes, athletic/recreational facilities, animal spas, dairies, food processing plants, food service establishments, restaurants, bars, animal quarters and kennels where disinfection, sanitization and deodorization is of prime importance. When used as directed, this product is formulated to disinfect hard non-porous, inanimate environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs, cabinets, tables, chairs, tanning beds and telephones.

This product deodorizes those areas, which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, pet areas and any other areas, which are prone to odors caused by microorganisms.

This product is for the sanitization of shell eggs intended for food in shell egg and egg product processing plants when used as directed.

DIRECTIONS FOR USE

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

DISINFECTION – To disinfect inanimate, hard non-porous surfaces apply use-solution with mop, cloth, sponge, low pressure coarse sprayer or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use. For low pressure coarse sprayer applications, spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. NOTE: For spray applications, cover or remove all food products.

GENERAL DISINFECTION – Add 3 ounces of this product per 5 gallons of water for disinfection against *Staphylococcus aureus*, *Salmonella enterica*, *Listeria monocytogenes*, and *Yersinia enterocolitica*.

HOSPITAL DISINFECTION – Add 3.5 ounces of this product per 5 gallons of water for disinfection against *Pseudomonas aeruginosa* and *Namocoryin* intermediate resistant *Staphylococcus aureus* (VISA), as well as the organisms listed under the GENERAL DISINFECTION section.

***VIRUCIDAL ACTIVITY** – This product, when used on environmental, inanimate, hard non-porous surfaces at 3.5 ounces per 5 gallons of water exhibits effective virucidal activity against Influenza A2/Japan (representative of the common flu virus), Herpes Simplex Type 1 (causative agent of fever blisters), Adenovirus Type 5 (causative agent of upper respiratory infections), Vaccinia virus (representative of the pox virus group), and Avian Influenza A/Turkey/Wisconsin (causative agent of an acute avian lower respiratory tract infection), HIV-1 (Human Immunodeficiency Virus Type 1), Newcastle disease virus, Laryngotracheitis virus, Hepatitis B virus (HBV) and Hepatitis C virus (HCV).

KILLS HIV-1, HBV AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (hospitals, nursing homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or 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 B virus (HBV) and Hepatitis C virus (HCV). **SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

PERSONAL PROTECTION: When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, and eye coverings.

CLEANING PROCEDURES: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

CONTACT TIME: Allow surfaces to remain wet for 10 minutes.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

GENERAL DEODORIZATION: To deodorize, add 3 ounces of this product to 5 gallons of water (or equivalent use dilution) (468 ppm active quat). Let air dry.

MILDEWSTAT: To control mold and mildew on pre-cleaned, hard, non-porous surfaces add 3 ounces of this product per 5 gallons of water. Apply solution with a cloth, mop, sponge, or hand pump trigger sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals when mold growth appears. **EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**

ANNIHILATE

DISINFECTANT SANITIZER DEODORIZER

*VIRUCIDE MILDEWSTAT

(on hard non-porous, inanimate surfaces)

ACTIVE INGREDIENTS

Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) dimethyl benzyl ammonium chlorides..... 5.0%

Alkyl (68% C₁₄, 32% C₁₆, 5% C₁₂, 5% C₁₈) dimethyl ethyl benzyl ammonium chlorides..... 5.0%

INERT INGREDIENTS..... 90.0%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call 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 the poison control center or doctor. Do not get anything by mouth to an unconscious person. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

See side panels for additional precautionary statements.

EPA REG. NO. 1839-86-44179

EPA EST. NO. 44179-NV-1

Manufactured for
SUNRISE ENVIRONMENTAL SCIENTIFIC

P.O. BOX 10207 RENO, NV. 89510

NET CONTENTS: _____

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves, and protective clothing. Harmful if swallowed. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters not 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. Contains no phosphorous.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL. **KEEP OUT OF REACH OF CHILDREN.** Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in a tightly closed container in an area inaccessible to children.

RECYCLING INFORMATION: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying. (Containers 5 gallons or less)

Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Follow Pesticide Disposal instructions for rinsate disposal. Drain for 10 seconds after the final rinse to avoid dripping. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill. (Containers greater than 5 gallons)

Triple rinse as follows: Fill container 1/4 full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill. (Reusable Container Statement)

A container, such as a spray bottle, can be reused once empty. First prepare an appropriate use-solution from concentrate. A dilution dispenser can be used to prepare the use-solution. Remove cap/spray nozzle from empty container. Fill empty container with a newly prepared use-solution. Replace cap/spray nozzle. Place correct use dilution label on the newly filled 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 instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

SPILL OR LEAK PROCEDURES – Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained, the material then moved into containers and disposed of by approved methods for hazardous waste.

To disinfect food processing premises: floors, walls, and storage areas, add 3 ounces of this product per 5 gallons of water. 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. Allow to remain wet for 10 minutes, then remove excess liquid. Before using this product, food products and packaging materials must be removed from the area or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

To disinfect food service establishment or restaurant food contact surfaces: countertops, outside of appliances, tables, add 3 ounces of this product per 5 gallons of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. Do not use on utensils, dishes, glasses or cookware.

Disinfection of poultry/truck equipment, swine quarters, animal quarters and kennels: For disinfection of pre-cleaned poultry equipment (brooders, watering flocks, feeding equipment), animal quarters and kennels, apply a solution of 3.5 ounces of this product per 5 gallons of water. Remove all poultry, animals, and feed from premises, trucks, coops, and crates. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry or animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate the 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. Ventilate huts, coops, and other closed spaces. Do not house poultry or animals or equipment until treatment has been absorbed, set or dried. All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.

Disinfecting potato storage area and equipment: Remove all potatoes prior to disinfection of potato storage area or equipment. Pre-clean hard surfaces by removing heavy soil or grass film. Follow general disinfection (3 oz. per 5 gal.) procedure described above. All treated surfaces must be thoroughly rinsed with potable water prior to reuse.

FOOD CONTACT SURFACE SANITIZATION DIRECTIONS

Sanitization: Recommended for use in restaurants, dairies, food processing plants, and bars.

When used as directed this product is an effective sanitizer at an active quatary concentration of 200 - 400 ppm, when diluted in water up to 650 ppm hardness (CaCO₃) in public eating establishments, dairies and food processing plants against *Escherichia coli* (ATCC 11229), *Escherichia coli* O157:H7 (ATCC 43895), *Staphylococcus aureus* (ATCC 6538), *Yersinia enterocolitica* (ATCC 23715), *Listeria monocytogenes* (ATCC 35152), *Salmonella typhi* (ATCC 6539), *Shigella sonnei* (ATCC 11069), *Vibrio cholerae* (ATCC 14035), methicillin resistant *Staphylococcus aureus* (MRSA) (ATCC 33592), *Namocoryin* resistant *Enterococcus faecalis* (VRE) (ATCC 51299), and *Campylobacter jejuni* (ATCC 29428).

This product is an effective sanitizer against *Klebsiella pneumoniae* at a 200 ppm active quatary concentration when diluted in water up to 500ppm hardness (CaCO₃). At an active quatary concentration of 300ppm, it is an effective sanitizer against *Klebsiella pneumoniae* when diluted in water up to 650 ppm hardness (CaCO₃).

Remove all gross food particles and soil from areas, which are to be sanitized, with a good detergent, pre-flush, pre-soak or pre-scrape treatment. Rinse with a potable water rinse.

Prepare a fresh solution daily or more frequently as soil is apparent.

Sanitization of public eating establishment and dairy food contact surfaces is regulated under 40CFR180.940.

To sanitize pre-cleaned and potable water-rinsed, non-porous public eating establishment and dairy food contact surfaces: prepare a 200 - 400 ppm active quatary solution by adding 1 - 2 ounces of this product to 4 gallons of water, 2.5 - 5 ounces to 10 gallons of water, or 5 - 10 ounces to 20 gallons of water (or equivalent dilution).

To sanitize pre-cleaned mobile items in public eating establishments (drinking glasses, dishes, eating utensils) immerse in a 200 - 400 ppm active quatary solution for at least 60 seconds making sure to immerse completely. Remove items, drain the use-solution from the surface and air dry. Do not rinse.

To sanitize pre-cleaned public eating establishments surfaces (counters, tables, finished wood or plastic cutting boards), apply a 200 - 400 ppm active quatary solution with a cloth, sponge, low pressure coarse sprayer or hand pump trigger sprayer making sure that the surface remains completely wet for at least 60 seconds and let air dry. Do not rinse.

To sanitize pre-cleaned dairy processing equipment (tanks, piping, pasteurizers, milking equipment) apply a 200 - 400 ppm active quatary solution with a low pressure coarse sprayer or circulate a 200 - 400 ppm active quatary solution throughout the equipment. Surfaces must remain thoroughly wet for at least 60 seconds, followed by adequate draining and air drying. Do not rinse.

At 1 ounce per 4 gallons, this sanitizer fulfills the criteria of Appendix F of the Grade A Pasturized Milk Ordinance 1978 Recommendations of the U.S. Public Health Services in waters up to 650 ppm of hardness calculated as CaCO₃, when evaluated by the AOC Germicidal and Detergent Sanitizer Method against *Escherichia coli* and *Staphylococcus aureus*.

To sanitize previously cleaned food-grade eggs in shell egg and egg product-processing plants, spray with a solution of 1 - 2 ounces of this product in 4 gallons of warm water (200 - 400 ppm quat). The solution must be warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs sanitized with this product must be subjected to a potable water rinse only if they are broken immediately for use in the manufacture of egg products. Eggs must be reasonably dry before casing or breaking. The solution must not be reused for sanitizing eggs.

To sanitize pre-cleaned immobile food processing equipment and surfaces (kinds, finished wood or plastic blocking blocks, counter tops, conveyors) floor the area with a 200 to 400 ppm active quatary solution for at least 60 seconds, making sure to wet all surfaces completely. Drain the use-solution from the surface and air dry.

To sanitize pre-cleaned mobile food processing utensils (knives, grinders, shredders, cleavers, ladles), immerse in a 200 to 400 ppm active quatary solution for at least 60 seconds, making sure to immerse completely. Remove, drain the use-solution from the surface and air dry. Sanitization of food processing equipment: Equipment and utensils must be thoroughly pre-flushed or pre-scraped and when necessary pre-soaked to remove gross food particles. Clean and rinse equipment thoroughly, then applying sanitization solution containing 1-2 ounces of this product per 4 gallons of water (or equivalent use dilution) (200-400 ppm active quatary). Allow surfaces to remain wet for at least 60 seconds. No rinse is allowed.

NON-FOOD CONTACT SURFACE SANITIZATION DIRECTIONS

This product is an effective sanitizer for pre-cleaned, hard, inanimate, non-porous surfaces: walls, floors, bathroom surfaces, shower stalls, shower doors, shower curtains, cabinets, toilets, chrome plated fixtures, urnals, doorknobs, garbage cans, exercise equipment, wrestling mats, glass surfaces, stainless steel surfaces, metal surfaces, glazed ceramic tile, glazed fiberglass, drains, telephones, telephone keypads, animal cages, cages, kennel runs, automotive garages, boats, ships, automobile interior surfaces: steering wheels, seat belt buckles and accessories, non-porous surfaces of child restraint seats, door handles, non-porous surfaces of visors, mirrors, dashboards, gear shift levers, housings, control knobs, vinyl car seats and head restraints. A sanitizer use-solution of 0.25 oz. per gallon of water, 1 oz. per 4 gallons of water, 2.5 ozs. per 10 gallons of water, 5 ozs., per 20 gallons of water (200 ppm active quatary) will kill (99.9%) of *Klebsiella pneumoniae* (ATCC 4352), *Staphylococcus aureus* (ATCC 6538) and *Listeria monocytogenes* (ATCC 35152). Sanitization will occur only on pre-cleaned surfaces.

The sanitizer use-solution can be applied to pre-cleaned, hard, inanimate, non-porous surfaces with a cloth, sponge, mop, sprayer or by flooding or immersion.

For sprayer applications, use a coarse (mist) pump or trigger sprayer. Spray 6-9 inches from the surface. Rub with brush, sponge or cloth. Do not breathe spray (mist).

NOTE: With spray applications, cover or remove all food products.

Treated surfaces must remain wet for 30 seconds (1/2 minute) and wiped with a sponge, mop, cloth and/or allowed to air dry.