

BEFORE USING THIS PRODUCT, PLEASE READ THIS ENTIRE LABEL.
ZEP FS AMINE Z™
DISINFECTANT • SANITIZER • DEODORIZER • VIRUCIDE*

SANITIZER



LICENSED

PERIOD **2015-2017** LIC. NO.

9625.16

PROD. #1700
802A

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride	3.0%
Didecyl Dimethyl Ammonium Chloride	1.5%
Diocetyl Dimethyl Ammonium Chloride	1.5%
Alkyl (C ₁₂ , 50%; C ₁₀ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride	4.0%
INERT INGREDIENTS	90.0%
TOTAL	100.0%

**KEEP OUT OF REACH OF CHILDREN
 DANGER PELIGRO**

FIRST AID

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

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 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.

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.

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Keep out of Reach of Children. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if absorbed through the skin. Harmful if swallowed. Harmful if inhaled. Avoid breathing spray mist. Do not get into eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix with oxidizers, anionic soaps and detergents

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

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

CONTAINER DISPOSAL: (larger than 1 gallon) – Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. In addition, plastic containers may be disposed of by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Zep FS Amine Z for use in:

- Restaurants, bars, cafeterias, institutional kitchens and food storage areas
- Food processing plants, dairy farms, hog farms, equine farms, poultry and turkey farms, and meat/poultry processing plants

DIRECTIONS FOR USE

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

FOOD CONTACT SANITIZING DIRECTIONS

Sanitizing of Food Processing Equipment and Other Hard Surfaces in Food Processing Locations, Dairies, Restaurants and Bars Directions: For sanitizing food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard non-porous surfaces. DO NOT RINSE.

Prior to application, remove gross food particles and soil by a pre-flush or pre-scrape and when necessary, presoak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before applications of the sanitizing solution.

Before use as a sanitizer in federally inspected meat and poultry plants and dairies, food products and packaging materials must be removed from the room or carefully protected. A potable water rinse is not required following the use of this product as a sanitizer on previously cleaned hard nonporous surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains. Apply a solution of 1 to 2 ounce(s) of this product in 4 gallons of water, (or equivalent use dilution) (200-400 ppm active) to pre-cleaned, hard surfaces thoroughly wetting surfaces with a cloth, mop, sponge, sprayer or

by immersion. For spray applications, use a coarse mist, pump or trigger sprayer. Spray 6 to 8 inches from surface, rub with brush, sponge, or cloth. Do not breathe spray mist. With spray applications cover or remove all food products. From a Closed Loop Dilution Container, apply 200-400 ppm active solution to the surface to be sanitized. Surfaces should remain wet for at least 1 minute followed by adequate draining and air drying. A fresh solution should be prepared at least daily or when use solution becomes visibly dirty. For mechanical application use solution may not be reused for sanitizing applications. DO NOT RINSE AFTER APPLICATION OF THE SANITIZING SOLUTION.

Dishes, silverware, glasses, cooking utensils and other similar size food processing equipment can be sanitized by immersion in a 1 to 2 ounce(s) per 4 gallons solution of this product (200 – 400 ppm active). DO NOT RINSE.

At 1 ounce per 4 gallons this product (200 ppm active) eliminates 99.999% of the following bacteria in 60 seconds in 500 ppm hard water (calculated as CaCO₃) according to the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants test.

Campylobacter jejuni	Salmonella enteritidis	Escherichia coli
Shigella dysenteriae	Escherichia coli O157:H7	Staphylococcus aureus
Listeria monocytogenes	Yersinia enterocolitica	Salmonella choleraesuis

To prepare a 200, 300 or 400 ppm active quaternary solution use the following dilution table.

Active quat solution	1 gallon	4 gallons	10 gallons	20 gallons
200 ppm	1/4 ounce	1.0 ounce	2 1/2 ounces	5.0 ounces
300 ppm	0.375 ounces	1 1/2 ounces	3 3/4 ounces	7 1/2 ounces
400 ppm	1/2 ounce	2.0 ounces	5.0 ounces	10.0 ounces

At 1 oz. per 4 gallons this sanitizer fulfills the criteria of Appendix F of the Grade A Pasteurized Milk Ordinance 1978 Recommendations of the U.S. Public Health Services in waters up to 500 ppm of hardness calculated as CaCO₃ when evaluated by the AOAC Germicidal and Detergent Sanitizer Method against Escherichia coli and Staphylococcus aureus.

Directions for Fogging: 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 1 quart per 1000 cubic feet of room area with a solution containing 1.5 ounces of product to 1 gallon of water (1,200 ppm). Vacate the area of all personnel for a minimum of 2 hours after fogging. All food contact surfaces must be thoroughly rinsed prior to reuse with potable water.

NOTE: The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone within two hours of the actual fogging. 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.

Disinfection of Poultry/Turkey Equipment, Swine Quarters, Animal Quarters and Kennels:

Prior to disinfection, remove all poultry, other animals and their feed from premises trucks, coops and crates. Remove all litter and droppings and manure from floors, walls, and other surfaces of facilities occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and water appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 3 ounces of this product per 5 gallons (0.60 ounces per gallons) of water (or equivalent use dilution) (450 ppm active quat). Saturate surfaces with the recommended 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 disinfection, 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 and detergent then rinsed with potable water before reuse.

HATCHERIES: For general disinfection use 1.75 ounces of this product per 5 gallons of water. For disinfection/virucide use 3 ounces of this product per 5 gallons 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.

Virucidal Performance: At 3 ounces per 5 gallons (0.60 ounces per gallon) (450 ppm quat active) use level, this product was evaluated in the presence of 5% serum and found to be effective against the following viruses on hard nonporous environmental surfaces.

Avian Influenza/Turkey/Wisconsin	Porcine Respiratory & Reproductive Virus (PRRSV)
Infectious Bovine Rhinotracheitis virus (IBR)	Canine Distemper
Pseudorabies virus	Newcastle disease virus
Transmissible Gastroenteritis (TGE)	Vaccinia virus

SHOE BATH SANITIZER DIRECTIONS

To prevent tracking harmful organisms into animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of freshly made sanitizing solution should 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 a 0.25 ounces of this product per gallon of water (or equivalent use dilution) (200 ppm active) solution for 60 seconds prior to entering area. Change the sanitizing solution in the bath daily or sooner if solution appears dirty.

EPA REG. NO. 10324-117-1270

EPA EST. NO. 1270-GA-1

Sold by
ZEP MANUFACTURING COMPANY
 A Division of Acuity Specialty Products Group, Inc.
 ATLANTA, GEORGIA 30301



CLEAN ACROSS AMERICA AND THROUGHOUT THE WORLD™

Acuity Brands



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PERIOD **2012-2014** LIC. NO.



LICENSED

PERIOD **2009-2011** LIC. NO.



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PERIOD **2006-2008** LIC. NO.

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1700 <<<barcode>>>

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