

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

DANGER

Keep out of reach of children. Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Do not breathe spray mist. Avoid contamination of food.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Drink milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Call a physician.
If In Eyes: Flush eyes with plenty of water. Call a physician.
If On Skin: Wash affected areas with soap and water. Remove all contaminated clothing and wash before re-use. If irritation persists, call a physician.
Note To Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Store in a cool, dry place. DO NOT contaminate water, food, or feed by storage or 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. Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility Triple rinse (or equivalent) the container. 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. Small plastic containers, after rinsing and puncturing as above, may be disposed of in incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

To thoroughly cleaned and rinsed surfaces apply ZEPAMINE B with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surface must be sprayed until thoroughly wetted. Treated surfaces must remain wet for 10 minutes. Fresh solution should be prepared daily or when the use solution becomes visibly dirty.

HOSPITALS, CLINICS AND NURSING HOMES: Disinfect and deodorize hard surfaces such as floors, walls, garbage pails, bedpans, counter tops, telephones, restrooms, urinals, bathing areas, bed frames, tables, chairs, and equipment by mopping or wiping with solution of 3.5 ozs. ZEPAMINE B to 4.5 gallons water, (450 ppm active quaternaries), thoroughly wetting all surfaces. At this use level, ZEPAMINE B is effective against Pseudomonas aeruginosa, Staphylococcus aureus and Salmonella choleraesuis in the presence of 5% blood serum when evaluated by the AOAC Use-Dilution Test.

COLD DISINFECTION: For disinfection of previously cleaned surgical instruments and dental equipment, simply submerge instruments into solution containing 1 1/2 oz. ZEPAMINE B per gallon of water (575 ppm active quaternaries), thoroughly wetting all surfaces. Hollow objects or utensils should be flushed and filled. Instruments must be rinsed with potable water prior to re-use. Discard used solution after each day's use. This product is not recommended for use on inhalation therapy and/or pulmonary diagnostic equipment where there is a Mycobacterium tuberculosis transmission risk.

INSTITUTIONS, INDUSTRY AND SCHOOLS: For disinfecting floors, walls, counter tops, bathing areas, lavatories, tables, chairs, garbage pails or other hard, non-porous surfaces use a solution of 2 ozs. of product to 4.5 gallons of water (256 ppm active quaternaries). AS A FUNGICIDE: At 0.5 oz. to 2.25 gallons of water use level (128 ppm active quaternaries). ZEPAMINE B is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, showers, and bath areas and exercise facilities, utilizing the AOAC Fungicidal Test.

ZEPAMINE B

**Disinfectant — Deodorant — Sanitizer
Germicidal — Fungicidal — Virucidal***

For use In: Hospitals, clinics, nursing homes, kitchens, cafeterias, supermarkets, meat and poultry plants, restaurants, barber shops, kennels, schools, and other institutions and industries.

ACTIVE INGREDIENTS:

- Octyl decyl dimethyl ammonium chloride 2.250%
- Didecyl dimethyl ammonium chloride . . . 1.125%
- Dioctyl dimethyl ammonium chloride . . . 1.125%
- Alkyl (C₁₄, 50%; C₁₂, 40%; C₁₆, 10%) dimethyl benzyl ammonium chloride 3.000%

INERT INGREDIENTS: 92.500%
100.000%

*At 3.5 oz. per 4.5 gallons of water (450 ppm active quaternaries) use level, this product is virucidal against Herpes Simplex, Vaccinia, and Influenza A₂ (Hong Kong) on inanimate environmental surfaces in the presence of 5% blood serum.

**KEEP OUT OF REACH OF CHILDREN
DANGER**

**SEE LEFT SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS**

**FOR INDUSTRIAL AND
INSTITUTIONAL USE ONLY**

This product is designed exclusively for industrial and institutional use by trained professional maintenance personnel. Label directions and precautions must be followed exactly. Zep Manufacturing Company will not be responsible for any injury, loss or damage if product is used in any manner not in accordance with the label. Tests for effectiveness are not observed.

EPA EST. NO. 1270-GA-1 EPA REG. NO. 1270-229

FEB 03 1987

U.S. PATENT OFFICE
Fungicide and Disinfectant Act,
as amended, in the presence of
registered under 1270-229
EPA Reg. No. Control No.

Net Contents Gal.

MANUFACTURED BY
ZEP MANUFACTURING COMPANY
 DIVISION OF NATIONAL SERVICE INDUSTRIES, INC.
 ATLANTA, GEORGIA 30301

AS A SANITIZING RINSE FOR FOOD PROCESSING EQUIPMENT AND OTHER HARD SURFACES IN FOOD CONTACT LOCATIONS:

For sanitizing food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, counter tops, refrigerated storage and display equipment and other hard non-porous surfaces. No potable water rinse is required. Apply a solution of 1 oz. ZEPAMINE B in 4 gallons of water (150 ppm active quaternaries). Dishes, silverware, glasses, cooking utensils, and other similar size food processing equipment can be sanitized by immersion in a 1 oz. per 4 gallon solution (150 ppm active quaternaries) of ZEPAMINE B. At 1 oz. per 4 gallons (150 ppm active quaternaries), ZEPAMINE B 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 600 ppm of hardness calculated as CaCO₃ when evaluated by the AOAC Germicidal and Detergent Sanitizer Method against Escherichia coli and Staphylococcus aureus.

**U.S. PUBLIC HEALTH SERVICE
FOOD SERVICE
SANITIZATION RECOMMENDATIONS**

Cleaning and Sanitizing

Equipment and utensils shall be thoroughly preflushed or prescrapped and, when necessary, presoaked to remove gross food particles and soil.

- 1) Thoroughly wash equipment and utensils in a hot detergent solution.
- 2) Rinse utensils and equipment thoroughly with clean water.
- 3) Sanitize equipment and utensils by immersion in a 1 oz. per 4 gallon solution of ZEPAMINE B (150 ppm active quaternaries) for at least 60 seconds at a temperature of 75°F. This dilution is equivalent to a solution containing 50 ppm available chlorine.
- 4) For equipment and utensils too large to sanitize by immersion, apply a 1 oz. per 2 gallon solution of ZEPAMINE B (300 ppm active quaternaries) by rinsing, spraying or swabbing until thoroughly wetted.
- 5) Allow sanitized surfaces to drain and air dry. Do not rinse.

AS A DEODORANT: Mop or spray on a solution of 1 oz. per gallon of water (575 ppm active quaternaries) to control odors in public conveyances such as busses, trains, or airplanes; in waiting rooms, bathrooms and hospital wards.

FOGGING APPLICATIONS: Use a Zepomister Electric Sprayer or other suitable unit for fogging applications as an adjunct to acceptable manual cleaning and disinfection procedures for room surfaces. Fill it with a solution containing 2 1/2 oz. per gallon of water (1438 ppm active quaternaries). Place the sprayer in the center of the room and at a height midway between the ceiling and the floor. Turn the nozzle upward and set the fogging rate at maximum. This dispenses one gallon of solution in 15 minutes. Open closets, cabinets, and the like and close doors, windows, and vents. All humans and animals must be removed from the room while fogging. Fog until all surfaces in the room have been wetted — 15 minutes or longer depending upon its size. Allow 2 hours after the unit has stopped before opening and entering the room, then proceed to thoroughly clean and disinfect room surfaces as directed above. All food contact surfaces must be rinsed with potable water prior to re-use.

BARBER TOOLS: Pre-cleaned barber tools (such as combs, brushes, razors, and scissors) can be disinfected by immersing in a 0.5 oz. per gallon solution (289 ppm active quaternaries) of ZEPAMINE B.

POULTRY EQUIPMENT, ANIMAL QUARTERS AND KENNELS: Poultry brooders, watering facilities, feeding equipment and other animal quarters (such as stalls and kennel areas) can be disinfected after thorough cleaning by applying a solution of 2 oz. ZEPAMINE B to 4.5 gallons of water. Small utensils should be immersed in this solution. Prior to disinfection, all poultry, other animals and their feed must be removed from the premises. This includes emptying all troughs, racks and other feeding and watering appliances. Remove all litter and droppings from floors, walls and other surfaces occupied or traversed by poultry or other animals. 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 must be rinsed with potable water before re-use. The udders, flanks and teats of dairy cows can be sanitized by washing with a solution of 1 oz. ZEPAMINE B in 4 gallons of warm water. No potable water rinse is required. Use a fresh towel for each cow. Avoid contamination of sanitizing solution by dirt and soil. Do not dip used towel back into sanitizing solution.