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US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.
1270-226

DATE OF ISSUANCE
APR 1 1986

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT
Zed Attack Hard Water Formulation

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Zep Manufacturing Company
P.O. Box 2015
Atlanta, GA 30301

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 1270-226."
- b. Potable water rinses are no longer permitted on food-contact surfaces. Since your product is not cleared for use on food-contact surfaces under the Federal Food, Drug, and Cosmetic Act, your product cannot be used on food-contact surfaces. Therefore, delete the entire item #7 (page 3) and delete the statement:

Treated food-contact surfaces must be thoroughly scrubbed with detergent solution and rinsed with potable water prior to reuse (item #6 - page 3).

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767C)

Enclosures

Prod. No. _____

ZEP ATTACK
HARD WATER FORMULATION
FOR HOSPITAL USE

Cleaner Disinfectant Deodorant
Bactericidal Fungicidal Virucidal*

AOAC USE-DILUTION METHOD

Staphylococcus aureus	1:128
Salmonella choleraesuis	1:128
Pseudomonas aeruginosa	1:128
AOAC Fungicidal Test	1:128

ACTIVE INGREDIENTS:

N-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides	4.5%
N-Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides	4.5%
INERT INGREDIENTS	91.0%
TOTAL	100.0%

*At 1 ounce per gallon use-level this product is virucidal against Influenza A₂ - Asian (a representative common flu virus) and Herpes Simplex Type 2 on hard, inanimate, environmental surfaces in the presence of 400 ppm (as CaCO₃) hard water and 5% blood serum.

An effective "one-step" cleaner, bactericide, fungicide, and virucide, which is efficacious in hard water (to 400 ppm CaCO₃) containing 5% organic soil (5% blood serum). Cleans, deodorizes, and disinfects all in one easy operation. Non-selective. Kills a broad spectrum of both gram negative and gram positive organisms. Contains an effective blend of quaternary germicides, synthetic detergents, water softening agents and builders. Especially suited for hospitals, clinics, nursing homes, and institutions. For use on all types of washable surfaces including floors, walls, cabinets, bed rails, chairs, woodwork, bedpans, sinks, tubs, instruments, and equipment. Phosphate free.

(10 pt. type) KEEP OUT OF REACH OF CHILDREN
(14 pt. type) DANGER

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 1270-_____
Net Contents _____ gals.

ACCEPTED
with COMMENTS
in EPA Letter Dated
EPA Est. No. 1270-_____
Control No. _____

APR 1 1986

Manufactured By
ZEP MANUFACTURING COMPANY
Division of National Service Industries, Inc.
Atlanta, Georgia 30301
Principal Cities USA and Throughout the World

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 1270-226

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LEFT PANEL

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

Causes severe eye damage and skin irritation. DO NOT get in eyes, or on skin or clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Drink milk, egg whites, gelatin solution, or if these are not available, drink a large quantity 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. 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.

(10 pt. type)

STORAGE AND DISPOSAL

Pesticide Disposal: DO NOT contaminate water, food, or feed by storage and 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: 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. Small plastic containers, after rinsing and puncturing as above, may be disposed of by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

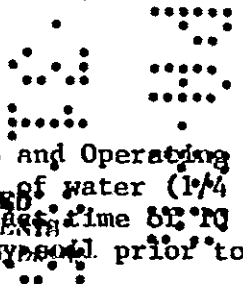
THIS PRODUCT WILL KILL THE FOLLOWING ORGANISMS ON INANIMATE ENVIRONMENTAL SURFACES IN THE PRESENCE OF HARD WATER (to 400 ppm CaCO₃) AND 5% ORGANIC SOIL:

- | | | |
|-------------------------------|--------------------------|-----------------------------|
| Pseudomonas aeruginosa PRD-10 | Klebsiella pneumoniae | Salmonella schottmulleri |
| Staphylococcus aureus | Streptococcus salivarius | Enterobacter aerogenes |
| Salmonella choleraesuis | Shigella dysenteriae | Brevibacterium ammoniagenes |
| Escherichia coli | Streptococcus faecalis | Trichophyton mentagrophytes |

RIGHT PANEL

DIRECTIONS (Cont'd.)

This is a concentrate. Dilute as directed before use.
1. To Clean and Disinfect Hospital Utensils and Equipment such as Bedpans and Operating Room Equipment: Wash with solution containing 1 oz. of product per gallon of water (1/4 cup per 2 gallons of water in pail) using cloth or sponge. Allow wet contact time of 10 minutes for disinfection. Preclean surfaces to remove gross filth or heavy soil prior to disinfection.



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1270-226

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2. To Clean and Disinfect Floors: Dilute product at a rate of 1 oz. per gallon of water (1/2 cup per 4 gallons of water in pail). Remove gross filth and heavy soils, then damp mop floor and allow 10 minute contact time. For heavy-duty cleaning, apply solution with mop or sprayer and scrub with floor machine equipped with nylon scrubbing pad.

3. Cold Disinfection of Instruments: Thoroughly preclean instruments and trays, then immerse for 10 minutes in a solution containing 1 oz. of product per gallon of water. Hollow objects or utensils should be flushed and filled. Instruments must be rinsed thoroughly with water before reuse. Discard used solution after each day's use.

4. To Disinfect Rubber and Plastic Goods: Soak gloves, tubes, masks, catheters, and other washable articles for a minimum of 10 minutes, but no longer than 15 minutes, in a solution containing 2 ozs. of product per gallon of water. Rinse with water, and for catheters follow with a one minute soak in 70% alcohol. Hollow objects or utensils should be flushed and filled. 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.

5. To Disinfect Sheets, Linens, Aprons, Uniforms, and Other Fabrics: Rinse articles, if necessary, to remove gross filth and heavy soils prior to disinfection. Prepare a fresh solution of 2 ozs. of product per gallon of water each day, or more often if the solution becomes loaded with soil or diluted with water from rinsed articles. A solution volume to dry-cloth weight ratio of 8 gallons to 12 pounds must be used for disinfection. Soak articles for 10 minutes prior to laundering.

6. To Clean and Disinfect Walls, Tables, Bed Frames, Sinks, Exterior Toilet and Urinal Bowl Surfaces, Light Fixtures, and Other Hard Surfaces: Dilute 1 oz. of product per gallon of water (1/4 cup per 2 gallons of water in pail) and apply with mop, cloth or sponge. Allow a wet contact time of 10 minutes for disinfection. Preclean surfaces to remove gross filth or heavy soil prior to disinfection. Treated food-contact surfaces must be thoroughly scrubbed with detergent solution and rinsed with potable water prior to reuse.

7. To Sanitize Nonporous, Food-Contact Surfaces and Items: Prepare a solution of 1 oz. of product in 3 1/2 gallons of water (200 ppm active quaternaries). Preclean and rinse items or surfaces prior to sanitizing. Then wet surfaces such as tanks, chopping blocks, counter top and tables by applying solution with a cloth or sponge. Immerse items such as drinking glasses and eating utensils completely. Keep wet for 60 seconds, then rinse thoroughly with potable water prior to reuse. Prepare a separate solution for each use and replace immersion solution daily or more frequently as soil build-up becomes apparent.

A GERMICIDAL CLEANER FOR USE IN ALL MAJOR HOSPITAL AREAS:

Operating Rooms	Cafeteria	Physical Therapy	Bathrooms
Recovery Rooms	Pediatrics	Dormitories	Animal Research Labs
Patient Rooms	Corridors	Radiology	Offices
Maternity	Emergency Rooms	Blood Bank Service	
Nursery	Outpatient	Laboratories	

Warranty - 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 compliance with label directions or if precautions are not observed.

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