

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

EPA REGISTRATION NO.
1270-231

DATE OF ISSUANCE
18 FEB 1986

NOTICE OF PESTICIDE:

REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

Zep Formula 440

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. Delete the statement: GENERAL CLASSIFICATION.
- b. Revise the referral statement to read:

See side panel for additional precautionary statements.

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.


ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

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

CENTER PANEL

ZEP FORMULA 486

DETERGENT/DISINFECTANT

CLEANER
DETERGENT
DEODORIZER
MILDEWSTAT (on hard, inanimate
surfaces)

DISINFECTANT
SANITIZER
FUNGICIDE
(against pathogenic fungi)

A.O.A.C. USE DILUTION METHOD

S. aureus - 4.5 oz./gal. water
S. choleraesuis - 4.5 oz./gal. water
Ps. aeruginosa - 6.0 oz./gal. water
E. Coli - 4.5 oz./gal. water

ACCEPTED
with COMMENTS
in EPA Letter D-104

FEB 18 1986

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

1270-231

A.O.A.C. FUNGICIDAL TEST

Tr. Mentagrophytes - 4.5 oz./gal. water

ACTIVE INGREDIENTS

N-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides	0.8%
N-Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides	0.8%
INERT INGREDIENTS:	98.40%
TOTAL:	100.00%

EPA REG. NO. 1270-231

EPA EST. NO. 1270-GA-1

ONLY FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS

(10 pt. type)

KEEP OUT OF REACH OF CHILDREN

(14 pt. type)

D A N G E R

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY

AND FIRST AID STATEMENTS

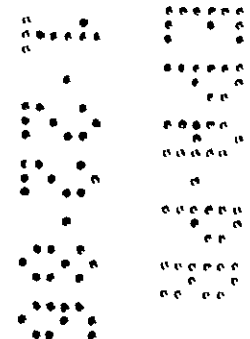
CONTROL NO. _____ NET CONTENTS _____

MANUFACTURED BY:

ZEP MANUFACTURING COMPANY

DIVISION OF NATIONAL SERVICE INDUSTRIES, INC.

ATLANTA, GEORGIA 30301



1/16/86

LEFT PANEL

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND
DOMESTIC ANIMALS

DANGER

Keep out of Reach of Children. Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash all contaminated clothing before reuse. If swallowed, drink milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. 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

General Classification

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

(12 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.

Formula 486 is a heavy duty cleaner disinfectant and sanitizer designed for schools, motels, offices, kitchens, food-processing plants and light industrial and hospital applications where heavy duty cleaning is of prime importance. When used as directed, F-486 is formulated to disinfect inanimate hard surfaces (such as walls, floors, sink tops, toilet bowls, tables, chairs and telephones). For larger areas, such as patient care facilities and restrooms, the product is designed to aid in heavy duty cleaning disinfecting. F-486 is designed to aid in controlling the hazard of cross contamination in areas where heavy duty cleaning is necessary.

FEB 18 1986

Measures against the
Federal Insecticide, Fungicide and
Rodenticide Act
Registered under EPA Reg. No.

1270-231

1/16/86

RIGHT PANEL
DIRECTIONS (Cont'd.)

Formula 486 detergent/disinfectant has been designed specifically for hospitals, offices, motels, nursing homes, schools, food processing plants and other institutions where house-keeping is of prime importance.

In addition, F-486 deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls and any other areas which are prone to odors caused by microorganisms.

DILUTION RATES - General Disinfection - add 4.5 ounces product per gallon of water. Hospital Disinfection - add 6 ounces product per gallon of water.

To disinfect toilet bowls, flush toilet, add 4.5 ounces product detergent/disinfect directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

For heavily soiled areas, a pre-cleaning step is required and recommended. Prepare a fresh solution for each use.

To Disinfect: For hard, inanimate surfaces, such as walls, floors, ceilings, walkways, and table tops, apply a solution of 4.5 ounces of product per gallon of water with a mop, cloth, sponge or mechanical sprayer, so as to wet all surfaces thoroughly. Keep surfaces wet for at least 10 minutes before rinsing or allowing to air dry.

At 4.5 ounces per gallon dilution, F-486 exhibits effective disinfectant activity against the organisms: Salmonella choleraesuis, Staphylococcus aureus, and E. Coli.

At this level the product is also fungicidal against Pathogenic fungi, trichophytes, and Zygomycetes.

At 6 ounces per gallon dilution, F-486 is an effective hospital disinfectant and demonstrates disinfectant activity against Pseudomonas aeruginosa.

Efficacy tests have demonstrated that F-486 is an effective bactericide and fungicide in the presence of organic soil (5% blood serum).

To Sanitize: For previously cleaned and rinsed non-porous food contact surfaces, prepare a solution of 8 ounces of product per 5 gallons of water (200 ppm active quaternary) and completely wet all surfaces to be sanitized, including tanks, chopping blocks and counter tops, by flooding or by application with a cloth or sponge. Be sure the surfaces are wet for at least 60 seconds before air drying takes place. Prepare a fresh solution for each use.

For mobile items such as drinking glasses and eating utensils, immerse items in a 200 ppm active quaternary solution (8 ozs. per 5 gallons of water) for at least 60 seconds, making sure to submerge items completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil accumulation becomes apparent.

As a Mildewstat: For control of mold and mildew and the odors they cause on hard, non-porous surfaces, such as floors, walls, table tops, clean surfaces and make a solution of 4.5 ounces of product per gallon of water. Apply solution with a cloth, mop, or sponge to surfaces to be treated, making sure to wet area thoroughly. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth reappears.

ACCEPTED
with COMMENTS
in EPA Letter 1270-231

FEB 18 1986

trichophyton menthae
Fungicide, and Registered under EPA Reg. No. 1270-231

WARRANTY STATEMENT

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 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.

ACCEPTED
with COMMENTS
by EPA Letter Dated:

FEB 13 1986

Product name: Zep
EPA Reg. No. 1270-231
The pesticide
registered under EPA Reg. No.

1270-231