

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OCT 31 1995

Zep Manufacturing Co.
P.O. BOX 2015
Atlanta, GA 30301

Attention: Robert G. Beach
Scientist Product Development

Subject: Zep FS Amine B
EPA Registration No. 1270-229
MOU Compliance Amendment dated August 10, 1995

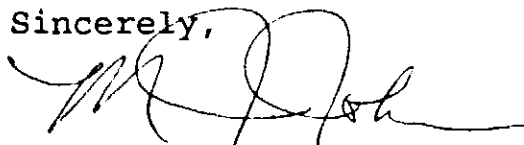
The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the labeling change listed below before you release the product for shipping bearing the amended label.

- 1. Specify whether the Herpes simplex is Type 1 or Type 2.

A stamped copy of your labeling is enclosed for your records. Submit five (5) copies of the final label is prior to releasing the product for shipment bearing the amended label.

If you have any questions concerning this letter, please contact Wanda Mitchell at (703) 305-6141.

Sincerely,



Marion J. Johnson, Jr.
Product Manager (31)
Antimicrobial Program Branch
Registration Division (7505C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

**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 reuse. 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.

ENVIRONMENTAL HAZARDS

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 to sewer system without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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 by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

To thoroughly cleaned and rinsed surfaces apply ZEP FS AMINE 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 3.6 ozs. ZEP FS AMINE B to 4.5 gallons water, (450 ppm active quaternaries), thoroughly wetting all surfaces. At this use level, ZEP FS AMINE 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.

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. (2) contacts intact mucous membranes but which does not enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

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).

PROD. #1824

895B

ZEP FS AMINE B

**Disinfectant — Deodorant — Sanitizer
Germicidal — 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	1.350%
Dioctyl dimethyl ammonium chloride	0.900%
Alkyl (C ₁₁ , 50%; C ₁₂ , 40%; C ₁₄ , 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**

EPA REG. NO. 1270-220

EPA EST. NO. 1270-GA-1

American Made...Proudly
ZEP MANUFACTURING COMPANY
Division of National Service Industries, Inc.
ATLANTA, GEORGIA 30301

CLEAN ACROSS AMERICA AND THROUGHOUT THE WORLD
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 the label directions or if precautions are not observed.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 31 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No. 1270-220

AS A SANITIZING RINSE FOR FOOD HARD SURFACES IN FOOD PROCESSING EQUIPMENT, dairy equipment, sink tops, counter tops, refrigerated non-porous surfaces. No potable water. ZEP FS AMINE B (4 gallons of waterward, glasses, cooking utensils, equipment) can be sanitized by immersion (i.e. quaternaries) of ZEP FS AMINE B (150 ppm available chlorine). ZEP FS AMINE B (150 ppm available chlorine) is in accordance with the Pasteurized Milk Ordinance 1978 Services in waters up to 800 ppm of chlorine by the AOAC Germicidal and Detergent Staphylococcus aureus and Listeria

**U. S. PUBLIC
FOOD
SANITIZATION**

Cleaning and Sanitizing

Equipment and utensils shall be thoroughly cleaned, pre-rinsed to remove soil, and then sanitized.

- 1) Thoroughly wash equipment and utensils.
- 2) Rinse utensils and equipment with clean water.
- 3) Sanitize equipment and utensils with ZEP FS AMINE B (150 ppm available chlorine) at a temperature of 75°F. This solution contains 150 ppm available chlorine.
- 4) For equipment and utensils to be used for food contact, immerse in a 2 gallon solution of ZEP FS AMINE B (150 ppm available chlorine) for 10 minutes, rinsing, spraying or swabbing.
- 5) Allow sanitized surfaces to dry.

AS A DEODORANT: Mop or spray (150 ppm active quaternaries) to control odors on trains, or airplanes; in waiting rooms.

FOGGING APPLICATIONS: Use a fogging machine for fogging applications as an disinfecting procedure for room surfaces. Use 2 oz. ZEP FS AMINE B per gallon of water (1438 ppm active quaternaries) in a fogging machine. Fog upward and set the fogging rate at medium. Fog for 15 minutes. Open closets, cabinet vents. All humans and animals must leave the room. All surfaces in the room have been treated. Allow 2 hours after the fogging, then proceed to manually clean surfaces.

BARBER TOOLS: Pre-cleaned barbers' tools (e.g. clippers) can be disinfected by immersion in a solution of ZEP FS AMINE B (150 ppm available chlorine).

POULTRY EQUIPMENT, ANIMALS: Poultry equipment, animal pens, watering fountains, feeding equipment and kennel areas) can be disinfected by mopping or wiping with a solution of 2 oz. ZEP FS AMINE B to 4.5 gallons of water (450 ppm active quaternaries) in this solution. Prior to disinfection be removed from the premises. This solution is not to be used on electrical, heating and water appliances. Remove other surfaces occupied or traversed by animals or poultry equipment until treated equipment that will contact potable water before reuse. The solution is sanitized by washing with a solution of 2 oz. ZEP FS AMINE B to 4.5 gallons of water. No potable water rinse is required. Avoid contamination of sanitizing solution with other sanitizing solution.

BEST AVAILABLE