

AUG 28 1990

**M&S Chemicals Division
970 East Tipton Street
Huntington, IN 46750**

Attention: Richard D. Sheets

Gentlemen:

**Subject: Formulation AE-90
EPA Registration No. 47371-89
Your Applications Dated January 3 and May 23, 1990**

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. On the product label, add an asterisk to "Virucidal against HIV-1 (AIDS Virus)" to read "*Virucidal against HIV-1 (AIDS Virus)."
 - b. On the product label, the directions for HIV-1 (AIDS Virus) must be repositioned so that the accompanying literature for the virus is reflected and listed under the Directions for Use.
 - c. On the accompanying literature, under "Contact Time," delete ". . . all other bacteria, fungi, and viruses claimed (listed on labeling) and add ". . . the indicated microorganisms claimed (listed on labeling)."
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

61707:I/C:WP5.0:DeLaney:C.Disk;KENCO:07/30/90:DD:VO:EK:DD

CONCURRENCES


SYMBOL	SURNAME	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 bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records

If you have any questions concerning this letter, please contact Martha Laloney at (703) 557-6982.

Sincerely yours,

John H. Lee 
Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosure

FORMULATION AE - 90

*Kills HIV-1 (AIDS virus) on pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids in healthcare settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS VIRUS) OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

Personal Protection: Disposable latex or vinyl gloves, gowns, face masks, or eye coverings as appropriate, must be worn during all cleaning of body fluids, blood, and decontamination procedures.

Cleaning Procedures: Blood and body fluids must be thoroughly cleaned from surfaces and objects before application of disinfectant.

Contact Time: Effective against HIV-1 (AIDS virus) on hard non-porous surfaces in the presence of a moderate amount of organic soil (5% blood serum) (providing 800 ppm of active quaternary).

water for a contact time of 5 minutes at room temperature (20-25°C). Use a ten (10) minute contact time for disinfection against all other bacteria, fungi, and viruses claimed (listed on labeling).

Disposal of Infectious Materials: Blood and other body fluids should be autoclaved and disposed of according to federal, state, and local regulations for infectious waste disposal.

ACCEPTED
with COMMENTS
by EPA Letter Dated

AUG 28 1990

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
47371-89

FORMULATION AE-90

Germicidal Cleaner

Active Ingredients:

n-Alkyl (C ₁₄ 80%, C ₁₆ 30%, C ₁₂ 5%, C ₁₈ 5%) dimethyl benzyl ammonium chlorides	0.0
n-Alkyl (C ₁₂ 50%, C ₁₄ 30%, C ₁₆ 17%, C ₁₈ 3%) dimethyl ethylbenzyl ammonium chlorides	0.0
Inert Ingredients	99.0

KEEP OUT OF REACH OF CHILDREN.

CAUTION

(See right panel for additional precautionary and practical treatment statements)

Cleans without scratchy abrasive cleaners. Polishing not needed. Very useful for spot cleaning walls and other surfaces. Formulation AE-90 cleans, deodorizes and disinfects against *Pseudomonas aeruginosa*, *Salmonella choleraesuis* and *Staphylococcus aureus* according to the AOAC Germicidal Spray Test. *Virucidal against HIV-1 (AIDS VIRUS)*. See accompanying literature regarding HIV-1 (AIDS VIRUS). *Virucidal against Herpes simplex Type 2.*

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

Shake before using

USES: Floors, walls, metal surfaces, painted surfaces, exterior bowl surfaces, empty basins, garbage cans, bathrooms, showers, concrete flooring, and lavatory fixtures. For institutional use only such as in office buildings, homes, schools and colleges. For use in the household.

DISINFECTION

For disinfecting precleaned hard inanimate environmental non-porous surfaces as described above. Hold can upright and 6 to 8 inches away from surface and spray to thoroughly cover the surface with a light film of foam. Allow to penetrate for a minimum contact time 10 minutes before wiping off with a clean, dry cloth.

Cleaning Vertical or Horizontal Surfaces: Spray a small area lightly and wipe away with a dry, clean cloth. Repeat on adjoining areas until entire surface is cleaned.

Chrome Bathroom Fixtures: Spray lightly and allow to soak. Rinse for high shine, wipe off with clean dry cloth.

Spot Cleaning: Spray lightly. Wipe with a dry, clean cloth. Wipe from outer edges inward to prevent spreading of spot.

Mildewcidal Performance

Formulation AE-90 will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated above). Allow to dry on surface and repeat weekly or when mildew growth returns. Do not wipe foam off.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

PHYSICAL AND CHEMICAL HAZARDS

CAUTION

Contents under pressure. Do not use or store near heat or flame. Do not puncture or incinerate container. Exposure to temperature extremes may cause bursting.

STORAGE AND DISPOSAL

This product must be kept under locked storage sufficient to prevent access by children or persons unfamiliar with its proper use.

PROHIBITIONS

Do not contaminate water, food or feed by storage or disposal. Storage or disposal is prohibited. Do not reuse empty container.

PESTICIDE DISPOSAL

Pesticide spray mixture or rinsate that cannot be reused should be disposed of in a landfill for pesticide wastes.

CONTAINER DISPOSAL

Replace cap and discard container in trash. Do not incinerate.

GENERAL

Consult federal, state or local disposal authorities for appropriate disposal procedures such as limited open burning.

EPA Reg. No. 47371-89

EPA Est. No. 47371-01-0001

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H&S Chemicals Division
970 E. Tipton Street