

File

57371-143

11/17

NOV 28 1989

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

Attention: Sally Hayes

Gentlemen:

Subject: Formulation HS-96
EPA Registration No. 47371-143
Your Application Dated September 15, 1989

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. Under "Contact Time" revise the statement "Effective against HIV-1 (AIDS virus)..." to read "Leave surfaces wet for 5 minutes. Use a ten (10) minute contact time for disinfection against all other bacteria and fungi claimed (listed on labeling)."
2. Include the heading "Statement of Practical Treatment" beneath the statement "Hazards To Humans . . .".

Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

58357:I:DeLano; ;LL-14:KENCO:11/15/89:12/27/89:DD:vo:sw:dd:dg

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

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

PS-47

Sincerely yours,

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

Enclosure

FORMULATION HS-96

*Kills HIV-1 (AIDS virus) on precleaned 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 I (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) when used at a 1:96 dilution (providing 500 ppm of active quaternary). Leave surfaces wet for 5 minutes. 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.

FORMULATION H 5-96

*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.

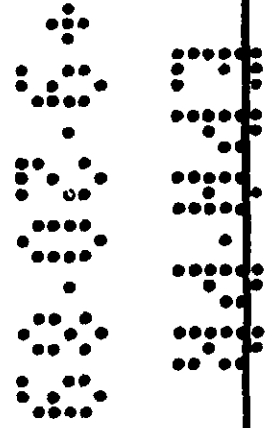
Contact Time: Effective against HIV-1 (AIDS virus) on hard non-porous surfaces in the presence of a moderate amount of organic soil (5% blood serum) when used at a 1:96 dilution (providing 500 ppm of active quaternary) for a contact time of minutes at room temperature (20-25°C). Use a ten (10) minute 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
in EPA Letter Dated:

NOV 28 1989

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the purposes of
registered under EPA Reg. No.
47371-143



*Virucidal against HIV-1 (AIDS VIRUS).
See accompanying literature regarding
HIV-1 (AIDS VIRUS).*
An excellent, multi-purpose germicide formulation that disinfects, cleans and deodorizes. Designed for institutional use such as hospitals and nursing homes, schools and colleges, motels and hotels, and the household. Effective against pseudomonas aeruginosa, staphylococcus aureus and salmonella choleraesuis.

DIRECTIONS FOR USE

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

TO DISINFECT TOILET BOWLS:

Preclean surfaces prior to application of disinfectant.

Flush to wet surfaces and remove heavy soil.

Use 1/2 oz. of concentrate in toilet bowl.

Squeeze around bowl and up under rim. Leave for 10 minutes - swab and flush. Close safety cap after use.

FOR DISINFECTION: Remove gross filth and heavy soil deposits. Preclean all surfaces prior to disinfection. For disinfecting apply to exterior bowl surface, walls floors, garbage cans, and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks, bathroom fixtures, and bed frames with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces for a contact time of 10 minutes. Dilute 1 1/2 oz. per gallon of water. The solution is prepared fresh for each use then discarded.

KITCHEN... Kitchen floors collect both traffic dirt and germs. Use 1 1/2 oz. per gallon of water or full strength where greasy dirt is a problem.

BATHROOM... Great for cleaning and deodorizing basins, tub and tiles. Leaves everything bright and clean ... kills odor-causing household germs. Use 1 1/2 oz. per gallon of water, or full strength where odors are a problem.

MILDEWSTATIC INSTRUCTIONS ... Will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces at a dilution rate of 1 1/2 oz. per gallon of water. Allow to dry on surface and repeat weekly or when mildew growth returns.

HS-96 DISINFECTANT BOWL CLEANER

Cleaner - Deodorant - Disinfectant

ACTIVE INGREDIENTS:

n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18)

dimethyl benzyl ammonium chlorides 2.4%

n-Alkyl (50% C12, 30% C14, 17% C16, 3% C18)

dimethyl ethylbenzyl ammonium chlorides .. 2.4%

INERT INGREDIENTS: 95.2%

KEEP OUT OF REACH OF CHILDREN

DANGER

(see right panel for additional precautionary statements)

EPA REG. NO. 47371 143

EPA EST. NO. 47371-IN-01

CONTENTS _____

H&S CHEMICALS DIVISION

970 East Tipton, Huntington, IN 46750

(219) 356-8100

HS-1

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 29 1989

47371-143

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMAN
AND ANIMALS**

In case of contact, immerse with plenty of water for at least 15 minutes. Call a physician immediately. Promptly a large quantity of water should be used to flush immediately.

NOTE TO PHYSICIAN: This product may contraindicate the use of Measur against circulatory depression and convulsions.

DANGER
CORROSIVE: Causes severe skin burns, eye damage and is harmful or fatal if swallowed or inhaled. Harmful or fatal if swallowed or inhaled. Wash before reuse. Avoid contact with skin and to protect skin, wear protective clothing and handling.

STORAGE AND DISPOSAL

This product must be stored in a cool, dry place sufficient to make it inaccessible to children and persons unfamiliar with its use.

Do not contaminate water, food, or feed, or disposal.

Open dumping is prohibited. Do not reuse empty containers.

PESTICIDE DISPOSAL

Pesticide wastes are acutely toxic. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of Federal law. Do not dispose of containers in a manner that will result in contact with humans, animals, or the environment. Control and disposal must be representative of the Office for guidance.

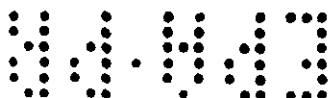
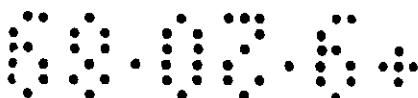
**CONTAINER DISPOSAL
PLASTIC CONTAINERS**

Triple rinse (or equivalent) and then allow to dry for 24 hours. Recycle where available, or by sanitary landfill, or incineration, or by other means approved by state and local authorities, by incineration, or by other means of smoke.

METAL CONTAINERS

Triple rinse (or equivalent) and then allow to dry for 24 hours. Recycle where available, or by sanitary landfill, or by other means approved by state and local authorities.

GENERAL: Consult federal and state authorities for approval of such as limited open burning.



CLEANER · DEODORANT · DISINFECTANT

Multi-purpose disinfectant/cleaner for use in toilet bowls and hard non-porous surfaces. Dilution for use in toilet bowls 1-1½ fl. oz. per gallon of water. Dilution for use on hard non-porous surfaces is 1½ fl. oz. per gallon of water. Contains no phosphates.

INGREDIENTS

Percent by Weight

Water	82.12
Sodium carbonate	4.50
Sodium metasilicate	1.00
FMB 6075-8 Quat (80%)	6.00
Linear primary ethoxylated alcohol	6.78

— OR —

Water	78.52
Sodium carbonate	4.50
Sodium metasilicate	1.00
FMB 6075-5 Quat (50%)	9.60
Linear primary ethoxylated alcohol	6.38

An excellent, multi-purpose germicide formulation that disinfects, cleans and deodorizes. Designed for institutional use such as hospitals and nursing homes, schools and colleges, motels and hotels, and the household. Effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesuis*. Virucidal against HIV-1 (AIDS Virus). See accompanying literature regarding HIV-1 (AIDS Virus).

DIRECTIONS FOR USE

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

TO DISINFECT TOILET BOWLS:

Pre-clean surfaces prior to application of disinfectant. Flush to wet surfaces and remove heavy soil. Use 1 oz. of concentrate in toilet bowl.

Squeeze around bowl and up under rim. Leave for 10 minutes, swab and flush. Close safety cap after use.

FOR DISINFECTION: Remove gross filth and heavy soil deposits. Pre-clean all surfaces prior to disinfection. For disinfecting apply to exterior bowl surface, walls, floors, garbage cans, and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks, bathroom fixtures, and bedframes with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces for a contact time of 10 minutes. Dilute 1 1/2 oz. per gallon of water. The solution is prepared fresh for each use then discarded.

KITCHEN...Kitchen floors collect both traffic dirt and germs. Use 1 1/2 oz. per gallon of water or full strength where greasy dirt is a problem.

BATHROOM...Great for cleaning and deodorizing basins, tub and tiles. Leaves everything bright and clean...kills odor-causing household germs. Use 1 1/2 oz. per gallon of water, or full strength where odors are a problem.

MILDEWSTATIC INSTRUCTIONS...Will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces at a dilution rate of 1 1/2 oz. per gallon of water. Allow to dry on surface and repeat weekly or when mildew growth returns.

HS-96 DISINFECTANT BOWL CLEANER
Cleaner - Deodorant - Disinfectant

ACTIVE INGREDIENTS:

n-Alkyl (C ₁₄ 60%, C ₁₆ 30%, C ₁₂ 5%, C ₁₈ 5%)	
dimethyl benzyl ammonium chloride	2.4%
n-Alkyl (C ₁₂ 50%, C ₁₄ 30%, C ₁₆ 17%, C ₁₈ 3%)	
dimethyl ethylbenzyl ammonium chloride	2.4%
INERT INGREDIENTS:	95.2%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN

DANGER

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

EPA REG. NO. 47371-143

EPA EST. NO. 47371-IN-01

NET CONTENTS _____

H & S CHEMICALS DIVISION
970 East Tipton, Huntington, IN 46750
(219) 356-7073

STATEMENT OF PRACTICAL USE:

In case of contact, immediately flush with plenty of water for at least 15 minutes. Call a physician immediately. If swallowed, drink a large quantity of water. Call a physician immediately.

NOTE TO PHYSICIAN: Precautionary statements may contraindicate the use of this product against circulatory shock, respiratory depression, convulsion may be needed.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE: Causes severe skin irritation. Harmful or fatal if swallowed. Irritating to eyes, nose or on clothing. Wash contact surfaces immediately. Avoid contamination of skin. Protect eyes, wear goggles or face shield. Avoid contact with skin, wear rubber gloves when handling.

STORAGE AND DISPOSAL

This product must be kept in its original container to make it inaccessible to children. Do not use if unfamiliar with its proper use.

- Do not contaminate water, food, or feedstuffs or disposal.
- Open dumping is prohibited.
- Do not reuse empty containers.

PESTICIDE DISPOSAL

Pesticide wastes are acutely toxic. Follow label directions for disposal of excess pesticide, spray mixtures, and empty containers. It is a violation of Federal Law. If disposed of by use according to label directions, contact your State Pesticide Control Agency, or the Hazardous Waste Management and Emergency Response nearest EPA Regional Office.

CONTAINER DISPOSAL
PLASTIC CONTAINERS

Triple rinse (or equivalent). Then recycle for refueling, reconditioning, or puncture and incineration, or, if not incinerated, by local authorities, by burning. If burned, contact local authorities.

METAL CONTAINERS

Triple rinse (or equivalent). Then recycle for refueling, reconditioning, or puncture and incineration, or, if not incinerated, by local authorities.

GENERAL: Consult federal and state authorities for approved alternate disposal methods. Do not use for limited open burning.