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pmsl

18 SEP 1984 4170-14

Betco Corporation
1001 Brown Avenue
Toledo, OH 43607

Attention: Gary G. Hartman
Vice President

Gentlemen:

Subject: Betco 256
EPA Registration No. 4170-14
Your Submission Dated June 29, 1984

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 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 bearing the amended labeling:

- a. Delete the ingredient, Tetrasodium ethylenediamine tetraacetate. This ingredient is no longer considered as an active ingredient. Please adjust the inert ingredient percentage accordingly.
- b. Delete the word: etc. (AOAC Fungicidal test section).
- c. Include the zip code with your address.

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

CONCURRENCES

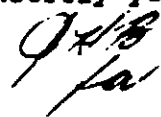
SYMBOL							
SIGNATURE							
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2

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 label is enclosed for your records.

Sincerely yours,



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

Enclosure

RD/DIS:J.Lee:DCR-44742:WANG-0179L:eg:Raven:479-2013:9/6/84:Del.9/21/84

4-2

EPA

BETCO 256

Cleaner-Disinfectant-Deodorizer-Fungicide-Virucide*
- Sanitizer for Hospital and Institutional Use

Highly Concentrated Germicide Based on a Unique
 Blend of Quaternaries with Organic Soil Load Tolerance

Active Ingredients

Octyl Decyl Dimethyl Ammonium Chloride	3.750%
Dioctyl Dimethyl Ammonium Chloride	1.875%
Didecyl Dimethyl Ammonium Chloride	1.375%
Alkyl (C ₁₂ , 50%; C ₁₄ , 40%; C ₁₆ , 10%)	
Dimethyl Benzyl Ammonium Chloride	5.000%
Tetrasodium Ethylenediamine Tetracetate	3.420%
Inert Ingredients	84.080%
	100.000%

KEEP OUT OF REACH OF CHILDREN
DANGER

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 contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution; or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a short-acting barbiturate drug.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

**FOR INDUSTRIAL AND INSTITUTIONAL
 USE ONLY. ONLY FOR SALE TO, USE,
 AND STORAGE BY SERVICE PERSONS,
 JANITORS, OR MAINTENANCE PERSONNEL**



TOLEDO OHIO

Directions for Use
GENERAL CLASSIFICATION

It is a violation of Federal Law to use this product in a manner not intended.

This product is a proven "one-step" cleaner-disinfectant in the presence of moderate amounts of organic soil.

Apply this product to walls, floors and other hard (inanimate) surfaces such as tables, chairs, countertops, sinks and bedframes with a brush or mop device so as to thoroughly wet surfaces. For heavily soiled surfaces, scrubbing is required. Prepare a fresh solution daily or when use solution becomes cloudy.

Disinfection - to disinfect hard, non-porous surfaces, add 1/2 oz. per gallon use level. Treated surfaces must remain wet for 10 minutes. At this use level, the product is virucidal and fungicidal.

Sanitizing - To sanitize porous or non-porous, non-food contact surfaces, add 1/4 oz. per gallon use level.

Virucidal - The broad spectrum activity of this product is demonstrated in the presence of 5% serum and found to be effective against the following organisms:

<i>Pseudomonas aeruginosa</i>	<i>Klebsiella pneumoniae</i>	Et
<i>Staphylococcus aureus</i>	<i>Enterobacter aerogenes</i>	St
<i>Salmonella choleraesuis</i>	<i>Salmonella schottmulleri</i>	Br

AOAC Fungicidal Test

This product is effective against *Trichophyton mentagrophytes* when used on surfaces in areas such as locker rooms, shower areas, dressing rooms, etc.

VIRUCIDAL PERFORMANCE:

*At 1/2 oz. per gallon use-level, this product is evaluated in the presence of 10% serum and found to be effective against the following organisms: Herpes Simplex Type 1 (a member of the Herpesviridae family that causes infectious mononucleosis), Herpes Simplex Type 2 (the venereal disease agent), Herpes virus Vaccinia (representative of the Poxviridae family), and Influenza A₂ (the Hong Kong influenza virus) on hard nonporous inanimate surfaces.

Sanitizing Non-Food Contact Surfaces (such as floor) - Add 1/4 oz. per gallon use-level 30 second contact time. This product is also an effective agent in waters of up to 800 ppm hardness against *Staphylococcus aureus* in the presence of 5% serum on porous and non-porous surfaces.

EPA Registration No. 4170-14
 EPA Establishment No. 4170-14-100

BEST AVAILABLE COPY

growth can cause mal odors. Prevents odors caused by mold and insects.
This product is economical to use because it is highly concentrated and should be handled with care.

Precautionary Statements

Hazards to Humans and domestic animals

DANGER

Keep out of reach of children. Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles, face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

STORAGE AND DISPOSAL

1. PROHIBITIONS

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

2. PESTICIDE DISPOSAL

Pesticide, spray mixture, or rinse that cannot be used or chemically processed should be disposed of in a landfill approved for pesticides away from water supplies.

3. CONTAINER DISPOSAL

(a) Reuse container and offer for reconditioning, or (b) Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill.

4. GENERAL

Consult federal, state or local disposal authorities for approved alternative procedures.

ACCEPTED
with EPA Reg. No. 4170-14
in EPA Landfill

SEP 18 1974

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

4170-14

BEST AVAILABLE COPY

BES

BETCO 256

Cleaner-Disinfectant-Deodorizer-Fungicide-Virucide*
- Saniizer for Hospital and Institutional Use

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Blend of Quaternaries with Organic Soil Load Tolerance

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Dimethyl Benzyl Ammonium Chloride	5.000%
Tetrasodium Ethylenediamine Tetraacetate	3.420%

Inert Ingredients

84.000%
100.000%

KEEP OUT OF REACH OF CHILDREN DANGER

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 contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a short-acting barbiturate drug.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

**FOR INDUSTRIAL AND INSTITUTIONAL
USE ONLY. ONLY FOR SALE TO, USE
AND STORAGE BY SERVICE PERSONS,
JANITORS, OR MAINTENANCE PERSONNEL**



TELEPHONE

NOT REVIEWED
IN ACCORDANCE WITH
FEDERAL REGISTER

It is a violation of Fed.
This product is a germicide
one of moderate strength.
Apply this product to
chairs, countertops, etc.
thoroughly wet surface
solution daily or when

Disinfection—to disinfect
fomites must remain wet

Sanitizing—To sanitize
water.

1/2 oz. per gallon use a
percentage of 5% solution

Pseudomonas aeruginosa
Staphylococcus aureus
Salmonella choleraesuis

AOAC Fungicidal Test
This product is effective
used on surfaces in a
room, etc.

Viralcid Performance
At 1/2 oz. per gallon it
to be effective against
that causes influenza
Herpes virus Vesicular
on hard surfaces in

Sanitizing-Non-Food
level 20 second contact
hardness against Staphylococcus
perous and non-perous

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. This product is formulated for this problem area. It both cleans and disinfects effectively and is virucidal when used as directed. Its hard surface disinfecting action will reduce the hazard of cross-contamination from environmental surfaces.

When used as directed, this product will deodorize toilet areas, behind and under sinks on counters, garbage cans and garbage storage areas, and other places where bacteria growth can cause mal odors. Prevents odors caused by mold and mildew.

This product is economical to use because it is highly concentrated and should be handled with care.

Precautionary Statements

Caution to Humans and domestic animals

DANGER

Keep out of reach of children. Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

STORAGE AND DISPOSAL

1. PREVENTION

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

2. PESTICIDE DISPOSAL

Pesticide spray mixture, or waste that cannot be used or chemically processed should be disposed of by a method approved for pesticides or buried in a safe place away from water supplies.

3. CONTAINER DISPOSAL

(a) Recycle container and caps for reconditioning, or (b) Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill, or bury in a safe place.

4. GENERAL

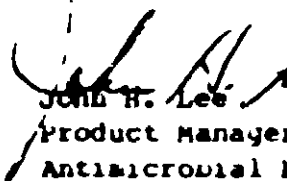
Consult federal, state or local disposal authorities for approved alternative procedures.

- b. Delete the last two sentences beginning "circulately . . ." and ending with ". . ."
- c. In your disposal section, include the following:

- Pesticide disposal
- Container disposal

If you have any questions concerning this letter, contact
 Martina DeLaney at (703) 557-6982.

Sincerely yours


 JOHN H. LEE
 Product Manager
 Antimicrobial
 Registration Division

enclosure

54779;1:DeLaney:LL-1;KENCO:7/14/89;8/24/89;dg;GJ;VO

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DATE									

4-4

DESCRIPTION

Close non-ventilation of the premises during contact not only is hazardous to the workers but also to the public. This product is formulated for the production of both types of disinfectants and is suitable when used as directed. Do not allow disinfectant to come in contact with the hazard of cross-contamination from environmental surfaces.

When used as directed, this product will disinfect both open and under sinks and shower stalls, garbage cans and garbage storage areas and other places where bacteria growth can cause infection. Proper use does not cause irritation.

This product is economical to use because it is highly concentrated and should be used sparingly.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

Keep out of reach of children. Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling harmful or toxic. Avoid consumption of food.

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 contaminated clothing before reuse. If swallowed, drink promptly a large quantity of milk, egg white or gelatin solution, or if these are not available, drink large quantities of water. Avoid emesis. Call a physician immediately. **NOTE TO PHYSICIAN:** Possible mucous membrane damage may be minimized by the use of aqueous leucine. Mucous membrane irritation should be dried and measures to support breathing should be taken. If necessary, respiration assistance may be required by the patient. Intensive attention of a physician is required.

STORAGE AND DISPOSAL

Store in original container. Do not contaminate water, food or feed by storage or disposal. This or residual from the use of the product may be disposed of on the ground or in any other way a disposal authority may recommend. Then after rinsing or neutralizing, pour into a sewer or a body of water or by other method approved by local and state authorities.

DIRECTIONS FOR USE

Use as directed. For use on surfaces, use the product in a 1% solution.

The product is a general purpose disinfectant and is suitable for use on all surfaces. It is effective against a wide variety of organisms. Use the product in a 1% solution on all surfaces. Do not use on marble, granite, or other polished surfaces. Do not use on electrical wiring or electrical equipment. Do not use on fabrics or other materials that may be damaged by the product. Do not use on surfaces that are to be painted.

Directions for use on hard non-porous surfaces: Use 1.2 oz. per gallon of water. The use of the product on these surfaces is for 15 minutes. At this use level, the product is also effective on hard surfaces.

For use on hard non-porous surfaces: Use 1.2 oz. per gallon of water.

For use on hard non-porous surfaces: Use 1.2 oz. per gallon of water. The broad spectrum activity of the product has been evaluated in the presence of 3% calcium and found to be effective against the following by the A.O.C. Laboratory:

- Pseudomonas aeruginosa
- Staphylococcus aureus
- Salmonella enteritidis
- Escherichia coli
- Enterobacter aerogenes
- Streptococcus faecalis
- Serratia marcescens
- Shigella sonnei
- Brevibacterium amyloliquefaciens

A.O.C. Functional Test: The product is effective against the following microorganisms (the above is not a list of all organisms) when used on surfaces of wood such as floor, walls, chairs and bath areas, ceramic, metal, plastic, etc.

Virucidal Performance: At 1.2 oz. per gallon of water, the product was evaluated in the presence of 1% calcium and found to be effective against the following viruses: Herpes Simplex Type 1 (the standard of this type of the herpes virus), Herpes Simplex Type 2 (the standard of this type of the herpes virus), Vaccinia virus (the standard of this type of the pox virus), and Influenza A2 (the Hong Kong flu virus). The product is also effective against other types of viruses.

Spore activity and Contact Surface: Use 1.2 oz. per gallon of water. The product is effective against the following spores: Bacillus subtilis (the standard of this type of the spore), Clostridium sporogenes (the standard of this type of the spore), and Clostridium botulinum (the standard of this type of the spore). The product is also effective against other types of spores.

Manufactured By
Betco Corp., Toledo, Ohio 43607

ONE GALLON

NOT RELEVANT
In accordance with EPA Notice 82-20
Based on Draft Labeling Dated 9/11/84

OPY

X