

1/5 7368-89 PM-31

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DEC 07 1987

Grow Group, Inc.  
760 South Vail Avenue  
Montebello, CA 90640

Attention: Michael T. Goldstein

Gentlemen:

Subject: DE-FEND  
EPA Registration No. 7368-89  
Your Application Dated January 21, 1987

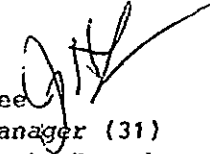
The amendment referred to above, submitted in connection with the Label Improvement Program Notice for Antimicrobial Products Used as Food Contact Surface Sanitizers, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling.
  - a. Delete the term "GENERAL CLASSIFICATION."
  - b. Delete the statement "ONLY FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS."
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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.

Sincerely yours,

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

Enclosure

16776:I:Lee:L-2:KENCO:11/10/87:11/19/87:aw:vo:dg:tg

CONCURRENCES

SYMBOL	ORIGINATOR						
SURNAME							
DATE							

OFFICIAL FILE COPY

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(Front Panel)

WRIGHT

DE-FEND

Disinfectant- Sanitizer-Fungicide  
Deodorizer for Hospital, Institutional,  
Industrial, School, Dairy and Other  
Farm Use

Active Ingredient	
Didecyl dimethyl ammonium chloride	7.5%
Inert Ingredients	92.5%
	100.0%

KEEP OUT OF REACH OF CHILDREN

D A N G E R

Statement of Practical Treatment:

In case of contact, immediately flush eyes or skin with 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, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. 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.

See left panel for additional precautionary statements

EPA Reg. No. 7368-89

EPA Est. No. 7368-TX-1

1 GALLON

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

GROW GROUP, INC.  
FORT WORTH, TX 76119

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

DEC 07 1987

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

7368-89

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(Back Panel) De-Fend

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

D A N G E R

KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Protect eyes and skin when handling. Harmful if swallowed. Avoid contamination of food.

STORAGE AND DISPOSAL

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

Pesticide Disposal:

Pesticide or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

Container Disposal:

Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

General:

Consult Federal, State or Local disposal authorities for approved alternative procedures such as limited open burning.

FOR INDUSTRIAL AND COMMERCIAL USE ONLY

DIRECTIONS FOR USE  
GENERAL CLASSIFICATION

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

Apply DE-FEND 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.

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(Back Panel) De-Fend

Sanitizing of Food Processing Equipment and other Hard Surfaces in Food Contact Locations.

For sanitizing food processing equipment, dairy equipment, food utensils, dishes silverware, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard nonporous surfaces. No potable water rinse is required.

Wash and rinse all articles thoroughly, then apply a solution of 1 oz. DE-FEND in 4 gallons of water (150ppm active). Surfaces should remain wet for at least one minute followed by adequate draining and air drying. Fresh solution should be prepared daily or when use solution becomes visibly dirty. For mechanical application, use solution may not be reused for sanitizing application.

Apply to sink tops, countertops, refrigerated storage and display equipment and other stationary hard surfaces by cloth or brush. No potable water rinse is required.

Dishes, silverware, glasses, cooking utensils and other similar size food processing equipment can be sanitized by immersion in a 1 oz./4 gallon dilution of DE-FEND. Drain thoroughly and allow utensil to air dry. Do not rinse.

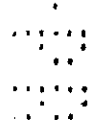
A 1 oz./4 gallons DE-FEND fulfills the criteria of appendix F of the Grade "A" Pasteurized Milk Ordinances 1978 Recommendations of the U.S. Public Health Services in waters up to 1000ppm of hardness calculated as CaCO<sub>3</sub>, when evaluated by the AOAC Germicidal and Detergent Sanitizer Method against Escherichia coli and Staphylococcus aureus. The udders, flanks and teats of dairy cows can be sanitized by washing with a solution of 1 oz. DE-FEND in 4 gallons of warm water. No potable water rinse is required.

Use a fresh towel for each cow. Avoid contamination of sanitizing by dirt and soil. Do not dip used towel back into sanitizing solution. When solution becomes visibly dirty, discard and provide fresh solution.

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## (Back Panel) De-Fend

## Disinfection in Hospitals, Nursing Homes and Other Health Care Institutions.

For disinfecting floors, walls, countertops, bathing areas, lavatories, bedframes, tables, chairs, garbage pails, and other nonporous surfaces.

Add 3-1/2 oz. DE-FEND to 4 gallons water. Apply to previously cleaned hard surface with mop or cloth.

At this use-level DE-FEND is effective against *Pseudomonas aeruginosa*.  
Disinfectant in Institutions, Industry and Schools

For disinfecting floors, walls, bedframes, countertops, tables, chairs, garbage pails, bathroom fixtures and other hard nonporous surfaces.

Add 2 oz. of DE-FEND to 4 gallons of water. Apply to previously cleaned hard surface with mop or cloth.

At 2 oz./4 gallon use-level DE-FEND is effective against *Staphylococcus aureus*, *Salmonella choleraesuis* and *Trichophyton interdigitale* (the athlete's foot fungus).

## Disinfection of Barber Tools

Precleaned barber tools (such as combs, brushes, razors and scissors) can be disinfected by immersing in a 1/2-oz./gallon solution of DE-FEND.

## Disinfection of Poultry Equipment, Animal Quarters and Kennels

Poultry brooders, watering founts, feeding equipment and other animal quarters (such as stalls and kennel areas) can be disinfected after thorough cleaning by applying a solution of 2 oz. DE-FEND in 4 gallons of water with a mop, cloth or brush. Small utensils should be immersed in this solution.

Prior to disinfection, all poultry, other animals and their feeds must be removed from the premises. This includes emptying all troughs, racks and other feeding and watering appliances. Remove all litter and droppings from floors, walls and other surfaces occupied or traversed by poultry or other animals.

After disinfection, ventilate buildings, coops and other closed spaces. Do not house poultry, or other animals, or employ equipment until treatment has been absorbed, set or dried.

All treated equipment that will contact feed or drinking water must be rinsed with Potable water before reuse.

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