

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 09 1996

PM Resources, Inc.
13000 St. Charles
Bridgeton, MO 63044

Attn.: Joseph E. Dyer

Subject: Purina Quaternary Disinfectant
EPA Registration No. 67517-17
Amendment Dated July 7, 1995, August 7, 1995

The amendments referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, are acceptable provided that you make the labeling changes outlined below:

1. Change the sentence "Drink promptly a ..." to read "Drink promptly a large quantity of water."
2. In accordance with PR Notice 94-4 the following restrictive label statement must be added to the label of any general purpose disinfectant that is registered for any medical device or medical equipment surface claims:

"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, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection".

3. Your reference to the use of your product as a disinfectant on unspecified equipment in institutions, hospital and Nursing Homes necessitates the addition of the statement above. In lieu of adding the above statement you may wish to modify your labeling by specifying the use of your product only on "hard nonporous environmental surfaces."

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

4. Delete the "Environmental Hazards" statement you currently have on your product label, it is inaccurate. A review of your registration file indicates that your product is marketed in container sizes of one gallon and larger. Additionally, your product contains uses that make you subject to the provisions of PR Notices 93-10 and 95-1 (i.e., end-use products registered as large scale commercial and institutional end uses (such as hospitals)).
5. The following statements should be included in the Environmental Hazards section of the label and are to be preceded by the statement "This product is toxic to fish.":

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

For container sizes of one gallon or less you may delete the Environmental Hazards statement.

The agency has no objection to the changing of your product name from "Purina Quaternary Disinfectant" to Quaternary Disinfectant".

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 section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Marion Johnson
Product Manager 31
Antimicrobial Programs Branch
Registration Division (7505C)

3078

Front Panel

EPA Reg. No.: 67517-17
EPA Est. No.: 67517-MO-1

QUATERNARY DISINFECTANT

Quaternary Disinfectant is effective against the following organisms -
Staphylococcus aureus, Salmonella choleraesuis, Pseudomonas aeruginosa, and
Trichophyton interdigitale.

ACTIVE INGREDIENTS:

n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) dimethyl benzyl ammonium
chlorides.....11.8%
n-Alkyl (68% C₁₂, 32% C₁₄) dimethyl ethylbenzyl ammonium chlorides.....11.8%

INERT INGREDIENTS.....76.4%
100.0%

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 09 1996

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

67517-17

KEEP OUT OF THE REACH OF CHILDREN

DANGER

SEE SIDE/BACK PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

Net Contents: 1 GAL. (3.785L)
EPA Reg. No.: 67517-17

EPA Est. No.:

Manufactured By
PM RESOURCES, Inc
13001 St. Charles Rock Road
Bridgeton, MO 63044

(lot number statements as needed)

Mfg. & Printed in U.S.A.

(label revision number)

(product number)

4 of 5

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 09 1996

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

67517-17

Side/Back Panel

~~QUATERNARY~~ QUATERNARY DISINFECTANT

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes on skin or on clothing. Wear goggles, face shield, protective clothing and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Harmful or fatal if swallowed. Avoid contamination of food.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

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

This product is extremely toxic to fish.

DIRECTIONS FOR USE

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

Food and Beverage Processing Plants, Food Handling, Industrial and Institutional Establishments, Hospitals and Nursing Homes. - Thoroughly clean equipment by prescraping, presoaking or preflushing all equipment, walls and floor. Wash all surfaces thoroughly with a good detergent or compatible cleaner. Sanitize with 1/2 ounce of ~~Quaternary~~ Quaternary Disinfectant per 4 1/2 gallons of water (provides 200 ppm of quaternary). Apply with cloth, soak or spray with automatic proportioning equipment. Make sure all surfaces have been thoroughly wetted. Treated surfaces must remain wet for at least one minute. No rinse is required after sanitizing at this concentration. Fresh solution should be prepared daily or when use solution becomes visibly dirty. For mechanical application use, solution may not be reused for sanitizing applications.

BEST AVAILABLE COPY

5045
ACCEPTED
with COMMENTS
in EPA Letter Dated:
SEP 09 1996

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No. 67517-17

~~Quaternary Disinfectant~~
Side/Back Panel

~~Quaternary Disinfectant~~
DIRECTIONS FOR USE (CONT'D)

Wash dishes, glassware and silverware in a good detergent or compatible cleaner. Rinse thoroughly. Immerse in a solution of 1/2 ounce of ~~Quaternary~~ Quaternary Disinfectant per 4 1/2 gallon of water (provides 200ppm of quaternary). No potable water rinse is required at this dilution.

Thoroughly clean floors, walls, and other hard surfaces by prescraping or preflushing with good detergent or compatible cleaner. Rinse. Disinfect with 1 1/2 ounces of ~~Quaternary~~ Quaternary Disinfectant per 5 gallons of water (provides 550 ppm of quaternary). Apply with a clean mop or cloth so as to wet surfaces thoroughly. Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution daily or when use solution becomes visibly dirty.

Sanitizing Shell Eggs Intended for Food

To sanitize previously cleaned food-grade shell eggs in shell egg and egg-processing plants, spray with, or immerse, in a solution of 1/2 ounce of ~~Quaternary~~ Quaternary Disinfectant in 4 1/2 gallons of warm water (provides 200 ppm quaternary). The solution should be warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and contact time of 1 minute is required for proper sanitation. Allow to drain and air dry. Eggs sanitized with this solution shall be subject to a potable water rinse only if they are broken immediately for use in manufacturing of egg products. Eggs should be reasonably dry before casing or breaking. The solution should not be reused for sanitizing eggs.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original container in area inaccessible to children. Do not store at temperatures above 120°F or below 32°F.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, 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.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

NOTICE OF WARRANTY

PM RESOURCES, INC. MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR OTHERWISE, EXPRESSED OR IMPLIED CONCERNING THIS PRODUCT OR ITS USES WHICH EXTEND BEYOND THE USE OF THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL.