The Murnell Wax Company, Inc. 87 Mystic Avenue Hedford, MA 02155

Attention: William P. Drinan

OCT 17 1988

Gentlemen:

Subject: MUR-KIL

EPA Registration No. 23563-1 Your Amendment Dated December 6, 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 "sodium carbonate" and "tetrasodium ethylenediamine tetraacetate" from the active ingredients. The inert ingredient percentage must be changed accordingly.
 - b. Delete the phenol coefficient claims from the label.
 - c. Revise the statement "A pre-cleaning step is recommended" to "A pre-cleaning step is required."
 - d. Revise the heading "Use Directions" to "Directions For Use" and add the wisuse statement to read:

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

 Delete the words "milk" and "sanitizer." Include the "Storage and Disposal" heading and add the subheadings: "Pesticide Disposal and Container Disposal."

50227:I:DeLaney:L-2:KFNCO:9/16/88:10/28/08:CL:par:rw

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- f. The signal word must be changed from "Warning" to "Danger."
- g. The statement "Keep Out of Reach of Children" must be placed directly above the signal word "Danger" (center panel only).
- h. On the right panel, the term "First Aid" must be changed to "Statement of Practical Treatment." Delete the statement "No rinse required." Revise the statement "Hazard of cross-infection" to "Hazard of cross-contamination." The contact time is 10 minutes for the disinfection section.
- i. The precautionary statements should read as follows:

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER
Keep Out of Reach Of Children

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 if swallowed. Avoid contamination of food.

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.

If you have any questions concerning this letter, please call Martha DeLaney at (703) 557-3675.

Sincerely yours,

John H. Le

Product Manager (31)

Antimicrobial Program Branch

Registration Division (TS-767C)

USE DIRECTIONS:

Use at 2 ounces per gallon. This product will be effective against Pseudomonas aeruginosa PRD-10 at this level. This has been substantiated by the AOAC Use Dilution Confirmation Test. At this level, the product is fungicidal against pathogenic fungi.

For best results, use MUR-KIL with a cloth or mop and apply to walls, floors and other hard surfaces.

NO RINSE REQUIRED

For heavy soil or organic matter, a precleaning step is recommended.

This product, when used on environmental, inanimate, hard surfaces at 2 ounces per gallon of water is, effective against influenza A2, Herpes Simplex, Adenovirus Type 2, and Vaccinia.

PHENOL COEFFICIENTS:

Guaranteed

Minimum

S. aureus

42

S. typhosa

27

Rinse empty container thoroughly with water and discard.

ACCEPTED with COMMENTS in EPA Letter Dated:

OCT 17 1988

Under the Federal Insecticide, Forgicide, and Rodenticide Actes amended, for the pesticide rematered under EPA Reg. No.

23563-1

MUR-KIL

EPA Est. No. 23563-MA-1

CLEANER — DISINFECTANT DEODORIZER — FUNGICIDE

Designed for Hospital Institutional use.

ACTIVE INGREDIENTS:

n-Alkyl (60%C₁₄,30%C₁₆,5%C₁₂,5%C₁₈) dimethyl benzyl ammonium chlorides

n-Alkyl (68%C₁₂,32%C₁₄) dimethyl

ethylbenzyl ammonium chlorides

INERT INGREDIENTS

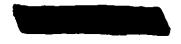
91.50% 100.00%

2.25%

2.25%

Net Contents: ONE U.S. GALLON

EPA Reg. No. 23563-1



DANGER

KEEP OUT OF REACH OF CHILDREN.

See right side panel for additional precautionary and First Aid statements.

THE MURNELL WAX CO., INC.

87 MYSTIC AVENUE - MEDFORD, MASS. 02155

BEST AVAILABLE COPY

MUR-KIL is a cle sanitizer, design such as Hospital •fastitutions whe be of prime imp • Whe hazard of cro can provide the a this area, when use on floors, wa palls, belephone pans, and opera against Staph Salmonella Pseudomonas a tive against Trichophyton int

WA

Keep Out of I

Causes eye and not get in ey clothing. Hari Avoid contami

FIR

In case of cont eyes or skin with least 15 minutes cian. Remove taminated cloth swallowed, drin gelatin solution available, drink water. Call a ph