

MAY 05 1989

Midland Chemical Company
5300 West 127th Street
Alsap, IL 60658

Attention: George J. Meisters

Gentlemen:

Subject: M.C. Sanitizer
EPA Registration No. 7115-13

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 word "milk."
 - b. In the "NOTE TO PHYSICIAN" section, delete the statement "measures against circulatory shock respiratory depression and convulsion may be needed" from the labeling.
 - c. Refer to PR Notice 83-3 for the appropriate "Storage and Disposal" statements.
 - d. Delete the statement "For Sale or Use and Storage by Maintenance Personnel Only."
 - e. Place the statement "Keep Out of Reach of Children" on the center panel.
 - f. Delete the term "General Classification" from the labeling.

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CONCURRENCES

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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 contact Karen Leavy at (703) 557-3966.

Sincerely yours,


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

Enclosure

DIRECTIONS FOR USE —

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

Apply M.C. SANITIZER with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surface must be spray until thoroughly wetted. Treated surfaces must remain wet for 10 minutes. Fresh solution should be prepared daily or when used solution becomes visibly dirty.

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 hard non porous surfaces:

Add 3.5 oz. M.C. SANITIZER to 4.5 gallons water. Apply to previously cleaned hard surfaces. At this use level, M.C. SANITIZER is effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesuis* in the presence of 5% blood serum when evaluated by the AOAC Use-Dilution test.

Virucidal Performance: At a 3.5 oz./4.5 gallon use level, M.C. SANITIZER was evaluated in the presence of 5% serum and found to be effective against the following viruses: Herpes simplex, Vaccinia, and Influenza A. It is highly effective on hard, bare environmental surfaces.

Disinfection in Institutions, Industry and Schools: Add 7 oz. M.C. SANITIZER to 4.5 gallons of water.

Fungicidal Performance: At 0.5 oz. to 2.25 gallons of water use level, M.C. SANITIZER is an effective fungicide against *Trichophyton mentagrophytes* (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities, utilizing the AOAC Fungicidal Test.

Disinfection of Barber Tools: Pre-cleaned barber tools (such as combs, brushes, clippers, scissors) can be disinfected by immersing in 0.5 oz/gallon solution of M.C. SANITIZER.

Sanitizing of Food Processing Equipment and Other Hard Surfaces in Food Control Locations: For sanitizing food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard non porous surfaces. No Potable water rinse is required.

Wash and rinse all articles thoroughly, then apply a solution of 1 oz. M.C. SANITIZER in 4 gallons of water (250ppm available chlorine). Surfaces should remain wet for at least one minute followed by adequate draining and drying. Fresh solution should be prepared daily and used solution becomes visibly dirty. For mechanical application, used solution may be reused with the following application:

Apply to sink tops, countertops, refrigerated storage and display equipment and other hard surfaces by mechanical spray device. No Potable water rinse required.

Dishes, silverware, glasses, cooking utensils and other similar objects can be sanitized by immersing in 0.5 oz/gallon solution of M.C. SANITIZER. No Potable water rinse required.

At 1 oz./4 gallons M.C. SANITIZER fulfills the criteria of Appendix F of the Code of Federal Regulations (21 CFR 179.1010) and meets the requirements of the U.S. Public Health Service in waters up to 800 ppm of hardness. Data for this claim was evaluated by the AOAC (German and Smith) Sanitizer Method against *Escherichia coli* and *Staphylococcus aureus*.

U.S. PUBLIC HEALTH SERVICE FOOD SERVICE SANITIZATION RECOMMENDATIONS

Cleaning and Sanitizing

- Equipment and utensils shall be thoroughly preflushed or pre-rinsed with clean water.
 - Thoroughly wash equipment and utensils in a hot detergent.
 - Rinse utensils and equipment thoroughly with clean water.
 - Sanitize equipment and utensils by immersion in a 1 oz./4 gallon solution of M.C. SANITIZER at 150ppm available chlorine at a temperature of 150°F. This solution is equivalent to a solution of 1.25% available chlorine.
 - For equipment and utensils too large to sanitize by immersion, use a mechanical spray device to apply M.C. SANITIZER (300ppm available chlorine) by spraying or scrubbing until thoroughly wetted.
 - Allow sanitizer to drain and air dry. Do not rinse.
- M.C. SANITIZER meets the requirements of 21 CFR 179.1010.

State

in case of contact, immediately flush with water.
For eyes, call a physician. Remove contaminated clothing.
If swallowed, drink promptly a large quantity of water.
If vomiting is induced, do not give anything by mouth if
are not available. drink large quantities of water.

NOTE TO PHYSICIAN: Probable n

Precautionary Statements

Hazards to Humans and domestic animals

Keep out of reach of children. Do not use in
on eyes, on skin, or on clothing. Wash thoroughly with
Harmful if swallowed. Avoid contact with skin and clothing.

STC

- DO NOT CONTAMINATE WATER
- OPEN DUMPING IS PROHIBITED
- DO NOT REUSE EMPTY CONTAINERS

PESTICIDE DISPOSAL: PESTICIDE
BE USED ACCORDING TO LABEL INSTRUCTIONS.
FEDERAL OR APPROVED STATE
CONSERVATION AND RECOVERY

CONTAINER DISPOSAL: TRIPLE
OR RECONDITIONING, OR DISPOSAL
IF ALLOWED BY STATE AND LOCAL

GENERAL: CONSULT FEDERAL
PROVED ALTERNATIVE PROCEDURE