

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 05 1992

H&S Chemicals Division
970 East Tipton Street
Huntington, IN 46750

Attn: Sally Hayes

Subject: Formulation HS-3328
EPA Registration No. 47371-104
Amendment dated March 9, 1992

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, is acceptable, provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. On the left panel, under general use directions for disinfection, add the statement or phrase "The necessity for removal of gross filth or the necessity for the removal of heavily soiled areas". The phrase should be listed as a separate instruction. Refer to item 3 of DIS/TSS-15 enclosure.

b. Expand the directions for disinfecting barber tools to include: (1) instructions for cleaning barber tools, (2) instructions for a 10 minute contact time, and (3) instructions for preparation of a fresh solution for each day's use.

c. Expand the use directions for sanitizing to include the following: The necessity for removal of gross particles and soil by a pre-flush, or pre-scrape and when necessary, pre-soak treatment. Also, instructions must be added for thoroughly washing the surfaces or objects with a good detergent or compatible cleaner, followed by a potable water rinse prior to application of the sanitizing solution. Refer to item 3 of DIS/TSS-17 enclosure.

CONCURRENCES

SYMBOL								
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d. Indicate the concentration of quaternary (ppm) provided by the recommended use solution, and list under direction for sanitizing. Refer to item 4 of DIS/TSS-17 enclosure .

e. The label additions specified in the cover letter of March 1, 1992 are acceptable. The accepted comments are indicated in attachment #1.

f. Under the heading "For Sanitizing" the words "chopping block" is considered a porous surface, therefore you must delete "chopping block" since the product usage is intended for hard, non-porous, surfaces.


2. 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 sec. ((e)). 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 Martha DeLaney at (703) 305-6908.

Sincerely,

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

Enclosures

DISINFECTANT: 1:256

SANITIZER: 1:764

DIRECTIONS FOR USE

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

GENERAL USE DIRECTIONS FOR DISINFECTING: For use in hospitals and nursing homes, federally inspected meat and poultry plants, restaurants and bars, beverage plants, barber shops, schools and colleges.

For use on hard, non-porous surfaces such as floors, walls, metal surfaces, glazed porcelain, and plastic surfaces (such as polypropylene, polystyrene, etc.). Pre-clean all surfaces then thoroughly wet surfaces. Use 1/4 ounce per gallon of water for a minimum contact time of 10 minutes in a single application. Can be applied with a mop, sponge, trigger sprayer, or by soaking. The recommended use solution is prepared fresh for each use then discarded. Rinsing is not necessary unless floor are to be waxed or polished.

DISINFECTION OF BARBER TOOLS: Barber tools (such as combs, brushes, razors, and scissors) can be disinfected by immersing in a 1/4 oz./gallon solution of Formulation HS-3328.

FOR SANITIZING: For use on hard, non-porous surfaces such as chopping blocks, counter tops, eating utensils, and drinking glass. Pre-clean all surfaces prior to sanitizing. Then use 1 ounce per 54 gallons of water for a minimum contact time of 1 minute in a single application. Can be applied with a mop, sponge, trigger sprayer, or by soaking. The recommended use solution is prepared fresh for each use then discarded. Drain thoroughly. Do not rinse.

Before use as a sanitizer in federally inspected meat and poultry plants and dairies, food products and packaging materials must be removed from the room or carefully protected. A potable water rinse is not required following use of this compound on previously cleaned hard surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains.

RESTAURANT AND BAR USE: For use as a sanitizer on dishes, glassware, silverware, cooking utensils, wash with detergent, rinse thoroughly and immerse in a solution (1 ounce per 54 gallons of water) for at least 1 minute. Do not rinse.

BEVERAGE PLANTS: For sanitizing of bottling or pre-mix dispensing equipment: after cleaning thoroughly rinse equipment with cold or lukewarm water. Fill equipment with solution of 1 oz. per 54 gallons of water (200 ppm of quat). Allow the solution to remain in contact with equipment for at least 1 minute or until operations resume at which time the sanitizing solution should be drained from the system.

To insure the removal of flavors, it is suggested that during change over between products, the system should be cleaned, rinsed, and flushed with the sanitizing solution for 1 minute. Allow to drain completely before using.

SANITARY FILLING: Recommended for use in sanitizing bottles or cans in the final rinse application. Formulation HS-3328 is to be proportioned into the final rinse water line of the container washer or rinser at a concentration of 200 ppm. A sanitizing solution of 200 ppm active quat should be used for the filler and closing machine.

STORAGE TANK SANITIZING: Recommended for sanitizing beer fermentation and holding tanks. A solution of 250 ppm should be applied by spraying or used in combination with recirculating cleaning systems. Drain thoroughly. Do not rinse. For mechanical operation of automated systems, the used sanitizing solution may not be reused for sanitizing, but may be reused for other purposes such as cleaning.

DIRECTIONS FOR SANITIZING EATING AND DRINKING UTENSILS IN EATING ESTABLISHMENTS: 1) Scrub and pre-wash utensils and glasses whenever possible. 2) Wash with a good detergent or compatible cleanser (A commercial cleaner or detergent may be recommended.) 3) Rinse with clean water. 4) Sanitize in a solution of 1 fl. oz. in 54 gallons of water (200 ppm). Immerse all utensils for at least two minutes or for a contact time specified by governing sanitary code. 5) Place sanitized utensils on a rack or drainboard to air dry. 6) Fresh sanitizing solution should be prepared at least daily or when visibly soiled.

NOTE: A clean potable water rinse following sanitation is not permitted under Section HSS 196.13 of the Wisconsin Administrative Code.

Formulation HS-3328 disinfectant-sanitizer-deodorizer

An effective, multi-purpose disinfectant. Staphylocidal, Pseudomonacidal, and Salmonellacidal on non-porous, inanimate surfaces. An effective sanitizer for use on food contact surfaces, it also fulfills the criteria of Appendix F of the Grade "A" Pasteurized Milk Ordinance 1965 recommendation of the U.S. Public Health Service in hard waters up to 750 ppm hardness (calculated CaCO₃).

ACTIVE INGREDIENTS:

n-Alkyl (C ₁₂ 60%, C ₁₄ 30%, C ₁₆ 5%, C ₁₈ 5%)	
dimethyl benzyl ammonium chloride	7.04%
n-Alkyl (C ₁₂ 68%, C ₁₄ 32%)	
dimethyl ethylbenzyl ammonium chloride	7.04%
INERT INGREDIENTS:	85.92%
Total	100.00%

DANGER KEEP OUT OF REACH OF CHILDREN

EPA Reg. No. 47371-104
EPA Est. No. 47371-IN-01

NET CONTENTS _____

HAS CHEMICALS DIVISION
970 EAST TIPTON
HUNTINGTON, IN 46730

ACCEPTED
with COMMENTS
in EPA Letter Dated

AUG 05 1992

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
47371-104

STATEMENT OF PRACTICAL USE: If in eyes, flush with plenty of water. If in mouth, drink plenty of water. Get medical attention if necessary. Avoid contact with eyes. NOTE TO PHYSICIAN: Prudent use of gastric lavage. Measures against convulsion may be needed.

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS: IRRITANT. CORROSIVE: Causes eye damage and skin irritation. To protect eyes, wear goggles or safety glasses. Wear rubber gloves when handling. Wash hands thoroughly after handling. Remove contaminated clothing before reuse.

STORAGE AND DISPOSAL: PROHIBITIONS: Do not contaminate water, food, or feed. Do not reuse empty container.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of spray mixture, or residue is a violation of Federal law. Do not use according to label. Environmental Control Agency, or the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: PLASTIC CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reuse, or dispose of in a sanitary landfill, or by incineration, or by other means. If burned, stay out of smoke.

FIBER DRUMS WITH LINERS: Completely empty liner by shaking and pouring. Empty residue into appropriate container for disposal. Do not reuse empty container. Rinse thoroughly. Securely wrap original container in a plastic bag.

METAL CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reuse, or dispose of in a sanitary landfill, or by incineration, or by other means. If burned, stay out of smoke.