

OCT 17 1986

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

Attention: Richard D. Sheets

Gentlemen:

Subject: Formulation HS-8451P
EPA Registration No. 47371-32
Your Amendment Application Dated February 3, 1986

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. Under the product name in the first paragraph at the top, add "restaurants and bars" and "beverage plants" to the list of ". . . for use in"
 - b. Under "For Sanitizing" in the first paragraph, add "Drain thoroughly" between ". . . discarded" and "Do not rinse."
 - c. Under "Restaurant And Bar Use," add "Drain thoroughly" between ". . . 1 minute" and "Do not rinse."
 - d. Change "Soft Drink Plants" to "Beverage Plants," since the directions later refer to "beer fermentation and holding tanks" also.
 - e. Under "Beverage (Soft Drink) Plants" in the first paragraph, change ". . . thoroughly rinse" to ". . . after cleaning thoroughly rinse"; change ". . . 1 oz per 5 1/2 gallons . . ." to ". . . 1 oz per 4 gallons . . ."; change ". . . until operations resume . . ." to ". . . for at least 1 minute or until operations resume . . ."; delete "Rinse with clear water." In the second paragraph, change

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CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							

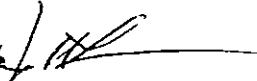
". . . should be flushed with a sanitizing solution" to ". . . should be cleaned, rinsed and flushed with the sanitizing solution for at least 1 minute."

- f. Under "Sanitary Filling," change "Formulation H" to "Formulation HS-8451P"; change ". . . in concentration of 100 ppm" to ". . . in concentration of 200 ppm."
 - g. Under "Storage Tank Sanitizing," add "Drain thoroughly" between "systems" and "Do not rinse."
 - h. Add the following statement: "For mechanical operations or automated systems, the used sanitizing solution may not be reused for sanitizing, but may be reused for other purposes such as cleaning."
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

FORMULATION HS-8451P

disinfectant-deodorant

Formulation HS-8451P is a concentrated disinfectant for use in hospitals and nursing homes, schools and cottages, medical and dental offices, office buildings.

A.O.A.C. Use Dilution Test

K15 *Salmonella choleraesuis*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*.

DISINFECTANT: 1:128

(1 ounce per gallon of water)

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 as CaCO₃).

SANITIZER: 1:512

(1 ounce per 4 gallons of water)

DIRECTIONS FOR USE GENERAL CLASSIFICATION

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

FOR DISINFECTING:

USES: Floors, walls, metal surfaces, painted surfaces, exterior bowl surfaces, empty basins, showers, athletic equipment, garbage cans, lavatory fixtures and other hard inanimate non-porous surfaces.

APPLICATION: Remove gross filth and heavy soil deposits. Pre-clean all surfaces prior to disinfection. Thoroughly wet surfaces. Use 1 ounce per gallon of water for a minimum contact time of 10 minutes in a single application. Can be applied with a mop, sponge or cloth as well as spraying or soaking. The recommended use solution is prepared fresh for each use then discarded. Rinsing is not necessary unless floors are to be waxed or polished.

FOR SANITIZING:

For use on hard non-porous surfaces such as counter tops, eating utensils and drinking glasses. Remove gross filth and heavy soil deposits. Pre-clean all surfaces prior to sanitizing. Thoroughly wet surfaces. Use 1 ounce per 4 gallons of water for a minimum contact time of 1 minute in a single application. Can be applied with a mop, sponge or cloth as well as soaking. The recommended use solution is prepared fresh for each use then discarded. 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, silverware, cooking utensils, wash with detergent, rinse thoroughly and immerse in a solution (1 ounce per 4 gallons of water) for at least 1 minute. Do not rinse.

BEV. DRINK PLANTS: For sanitizing of bottling or premix dispensing equipment, thoroughly rinse equipment with acid or lukewarm water. Fill equipment with solution of 1 oz. per 5 1/2 gallons of water (200 ppm of quat). Allow the solution to remain in contact with equipment until operations resume at which time the sanitizing solution should be drained from the system. Rinse with clean water.

To insure the removal of flavors, it is suggested that during changeover between products, the system should be flushed with a sanitizing solution. Allow to drain completely before using.

SANITARY FILLING: Recommended for use in sanitizing bottles or cans in the final rinse application. Formulation H is to be proportioned into the final rinse water line of the container washer or rinser in concentration of 100 ppm. Sanitizing solution of 200 ppm active quat should be used in an external spraying application for the filler & closing machine.

STORAGE TANK SANITIZING: Recommended for sanitizing beer fermentation & holding tanks. A solution of 200 ppm should be applied by spraying crowd in combination with automated cleaning systems, do not rinse.

SYSTEMS, Do not rinse.

ACTIVE INGREDIENT

n-alkyl (C14 50%, C12 40%, C10 10%) dimethyl benzyl ammonium chloride 10.0%

INERT INGREDIENTS 90.0%

DANGER: KEEP OUT OF REACH OF CHILDREN. ONLY FOR SALE TO, USE AND STORAGE BY SERVICE PERSONS.

STATEMENT OF PRACTICAL TREATMENT

If in eyes, flush with plenty of water. Get medical attention. If on skin, wash with plenty of water. Get medical attention. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CORROSIVE: Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. To protect eyes wear goggles or face shield and to protect skin wear rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Harmful if swallowed.

STORAGE AND DISPOSAL

PROHIBITIONS

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

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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

PLASTIC CONTAINERS

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

FIBER DRUMS WITH LINERS

Completely empty liner by shaking end tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

METAL CONTAINERS

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

GENERAL

Consult federal, state, or local disposal authorities for approved alternative procedures such as limited open burning.

EPA REG NO 47371-32 EPA EST NO 47371-9101

MS CHEMICALS DIVISION

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HUNTINGTON, W. VA 25740

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ACCEPTED
FOR CLASSIFICATION

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