

Reg #

47371-26

PM-32

192

MAR 24 1989

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

Attention: Richard D. Sheets

Gentlemen:

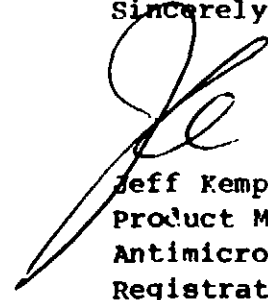
Subject: M-2205 Disinfectant/Sanitizer/Cleaner
EPA Registration No. 47371-26
Your Submission Dated October 4, 1988
EPA Received Date October 17, 1988

This is in response to the above subject matter. The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comment listed below. Five (5) copies of the finished labeling must be submitted.

- Place all the ingredients except the active ingredient "Iodine" under Inert Ingredients, as specified on the label.

Should you have any further questions, please contact Veronica Dutch at (703) 557-6938.

Sincerely yours,



Jeff Kempter
Product Manager (32)
Antimicrobial Program Branch
Registration Division (H7504C)

57063;I:Dutch:K-5:KENCO:3/22/89:3/31/89:CL:vo:jh:de

CONCURRENCES

SYMBOL	H7504C						
SURNAME	V. Dutch						
DATE	3/24/89						

292

REMOVE GROSS FOOD PARTICLES AND SOIL BY A PREFLUSH, OR PRESOAK AND WHEN NECESSARY, PRESOAK TREATMENT. USE 1 OZ. PER 5 1/2 GALLONS OF WATER FOR A MINIMUM CONTACT TIME OF 1 MINUTE

DIRECTIONS FOR USE

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

FOR DISINFECTING: For use on hard non-porous pre-cleaned surfaces such as floors, walls, metal surfaces, porcelain and plastic surfaces. Remove gross filth and heavy soil deposits. Pre-clean all surfaces prior to disinfecting. Use 1 oz. per 2 gallons of water for a minimum contact time of 10 minutes in a single application. Can be applied by spraying or soaking. The recommended use solution is prepared fresh for each use then discarded.

FOR SANITIZING:

Before use in federally inspected meat and poultry food processing 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.

FOR USE IN FOOD PROCESSING PLANTS:

For sanitizing food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, counter tops, refrigerated storage and display equipment and other hard surfaces. Do not rinse. Wash and rinse all articles thoroughly, then apply a solution of 1 ounce in 5 1/2 gallons of water.

Apply to sink tops, counter tops, refrigerated storage and display equipment and other stationary hard surfaces by cloth or brush. Do not rinse.

RESTAURANT AND BAR USE: Dishes, glassware, silverware, cooking utensils, wash with detergent, rinse thoroughly, and immerse in a solution (1 oz. per 5 1/2 gallons) to provide 25 ppm of titratable iodine. Do not rinse.

FOOD AND BEVERAGE SANITIZATION PROCEDURES

Beer & Soft Drink Plants: Thoroughly rinse bottling and pre-mix dispensers with water. Drain thoroughly and fill equipment with 25 ppm solution (refer to use solution chart).

When changing over between soft drink flavors, rinse system well with water, flush with 25 ppm solution. Dilution is 1 ounce per 5 1/2 gallons of water.

Sanitizing bottles and cans: Proportion into the final rinse of the bottling or canning process in concentration of 25-50 ppm titratable iodine. Dilution is 1 fl. oz. per 11-12 gallons of water.

Sanitizing storage tanks: After cleaning use a 25 ppm solution for sanitizing beer fermentation and holding tanks. Use solution can be applied by spraying or can be used in conjunction with automated clean-in-place systems. No water rinse is required after sanitizing. Dilution is 1 oz. per 5 1/2 gallons of water.

Milk, Cheese and Ice Cream Processing Plants: Applied routinely as a sanitizing spray (12 1/2 ppm to 25 ppm titratable iodine) on walls, conveyors, equipment and floors will reduce or eliminate odors in the processing area. Use or filling equipment to reduce or eliminate bacteria associated with condensation on equipment and pipes. Regular use as a sanitizer at 25 ppm helps prevent milk stone formation in equipment. Dilution is 1 oz. per 5 1/2 gallons of water.

ACCEPTED with COMMENTS in EPA Letter Dated: 2/4/89

BEST A

March 2

M-2205 Disinfectant/Sanitizer/Cleaner

ACTIVE INGREDIENT:

Iodine
Nonylphenoxypoly (ethyleneoxy) ethanol iodine complex
Polyethoxy polypropoxy polyethoxy ethanol iodine complex

1.75%

INERT INGREDIENTS:

Total 98.25%

100.00%

KEEP OUT OF REACH OF CHILDREN.

DANGER

Designed for use as a disinfectant for use in hospitals, nursing homes, medical and dental offices.

DISINFECTANT: 1/2 ounce per gallon of water
AOAC USE-DILUTION TEST: Effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Salmonella choleraesuis*.....1:256

Designed for use as a Sanitizer/Cleaner for use in restaurants & bars, food processing plants and federally inspected meat & poultry plants.

SANITIZER: 1 ounce per 5 1/2 gallons of water
AOAC AVAILABLE CHLORINE GERMICIDAL EQUIVALENT CONCENTRATION: Effectiveness against *Salmonella typhi* & *Staphylococcus aureus*.....1:704

(See right panel for additional precautionary and practical treatment statements)

NET CONTENTS

EPA REG. NO. 47371-26 EPA EST. NO. 47371-IN-01

M&S CHEMICALS DIVISION

878 EAST TIPTON, HUNTINGTON, IN 46750
219/366-1073

DANGER

Precautionary Statements
Hazardous to Humans and Domestic Animals
May cause severe eye irritation, wear goggles or face shield. Causes skin irritation when handling the concentrate. Avoid contamination of food. Wash contaminated clothing.

STATEMENT OF PRACTICE: In case of contact, immediately flush with plenty of water for at least 15 minutes. Call physician immediately. If a large quantity of water. Call physician immediately.

NOTE TO PHYSICIAN: Product contraindicates the use of epinephrine against circulatory shock, convulsions may be needed.

STORAGE AND DISPOSAL

This product must be kept in its original container to make it inaccessible to children familiar with its proper use.

PROHIBITIONS: Do not contaminate water, food, or feed. Open dumping is prohibited. Empty container.

PESTICIDE DISPOSAL: Pesticide wastes are acutely toxic. Follow label instructions for disposal of excess pesticide. A violation of Federal Law.

disposed of by use according to label. Contact your State Pesticide Control Agency, or the Hazardous Waste Management and Emergency Response nearest EPA Regional Office.

CONTAINER DISPOSAL

PLASTIC CONTAINERS: Triple rinse (or equivalent). Then recycle for reuse, or puncture, tear, or incineration, or, if authorized, by burning. If burned, burn in a controlled incinerator.

FIBER DRUMS WITH LINERS: Completely empty liner by removing all contents and bottom to loosen clinging material. Then recycle for reuse, or puncture, tear, or incineration, or, if authorized, by burning. If burned, burn in a controlled incinerator.

METAL CONTAINERS: Triple rinse (or equivalent). Then recycle for reuse, or puncture, tear, or incineration, or, if authorized, by burning. If burned, burn in a controlled incinerator.

GENERAL: Consult federal, state or local authorities for approved alternative procedures.