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5449-10

1 of 2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

6 NOV 1989

Hako Muntoman
Multi-Clean Division
2277 Ford Parkway
St. Paul, MN 55116

Attention: Mark Levitt

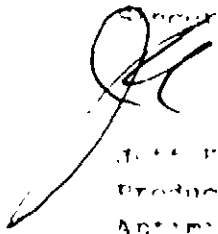
Gentlemen:

Subject: Multi-Clean R-032 Pine Odor Disinfectant
EPA Registration No. 5449-10
Your letter dated May 17, 1989

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted.

1. Delete "... milk, raw egg white, gelatin solution or ..."
from the "Statement of Practical Treatment."
2. Delete "Avoid contamination of food. Do not use on food contact surfaces." from the "Statement of Practical Treatment."

Sincerely yours,


Jeff Kerner
Product Manager (32)
Antimicrobial Program Branch
Registration Division (225050)

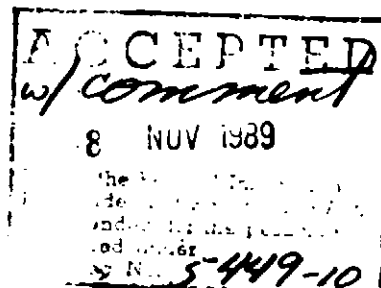
56980: I:A-27: Farmer: K-10: KENCO: 10/26/89: 12/7/89: AS: JH: AS

CONCURRENCES							
SYMBOL	142505C						
SURNAME	Farmer						
DATE	10/30/89						

EPA Form 1320-1 (12-70)

OFFICIAL FILE COPY

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Multi-Clean®

B-Q 32 Pine Odor Disinfectant

B-Q 32 is a cleaner, disinfectant, deodorizer, fungicide and virucide developed for use where housekeeping and reduction of the hazard of cross-infection by environmental surfaces are of prime importance. This disinfectant is effective against a wide variety of gram-positive and gram-negative bacteria. It is also an excellent deodorant and is especially effective in controlling odors that are bacterial in origin.

Directions For Use:

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

1) Dilutions:

For Cleaning: To clean and deodorize or to preclean prior to disinfection, use 3 to 12 ounces of B-Q 32 per gallon of water depending on soil level.

For Disinfection: Use 7½ ounces of B-Q 32 per gallon of water. For one step cleaning and disinfecting on light to medium soil loads.

For Heavily Soiled Areas: Preclean first and then disinfect with this product at 6 ounces per gallon.

For Deodorizing: Preclean first and then use 16 ounces of B-Q 32 per gallon of water.

For Mildew Control: Follow directions for disinfecting and repeat every 7 days.

2) Applications:

Apply the use-solution with a clean mop, sponge, cloth, squeegee or mechanical scrubber.

Prepare fresh use solutions daily. Do not reuse solutions. Discard solutions when they become visibly soiled. For disinfection, thoroughly wet the surfaces to be treated. Surfaces must remain moist for at least 10 minutes to assure proper germicidal action.

This product may be used for cleaning and disinfecting hard, non-porous, inanimate environmental surfaces (glass, metal, glazed porcelain, linoleum, tile, smooth leather, vinyl, enameled and finished wood surfaces) on walls, floors, appliances and furnishings.

A quarternary cleaner, disinfectant and sanitizer designed for hospitals and institutional use.

ACTIVE INGREDIENTS:

Pine oil	3.95%
Alkyl (C14, 58%; C16, 28%; C12, 14%)	
dimethyl benzyl ammonium chloride	1.97%
INERT INGREDIENTS	94.08%
TOTAL INGREDIENTS	100.00%

*This disinfectant is effective at 6 oz. gal. against *Pseudomonas aeruginosa* PRD-10, *Salmonella choleraesuis* ATCC 10708, and *Staphylococcus aureus* ATCC 6538 when tested by the A.O.A.C. Use Dilution Test Method for precleaned, hard non-porous surfaces.

**This disinfectant is also an effective virucide at 6 oz./gal. for influenza virus, Type A Brazil on inanimate environmental surfaces.

EPA Reg. No. 5449-10 "EPA Est." 5449-MN-1

This disinfectant has not been tested for effectiveness against *Mycobacterium tuberculosis* and must not be relied upon when tuberculocidal activity is intended.

**FOR INDUSTRIAL & COMMERCIAL USE ONLY /
KEEP OUT OF REACH OF CHILDREN
DANGER**

(See additional precautions on side panel)

PRECAUTIONS HAZARDS TO

Causes severe eye and skin irritation. Wear goggles and gloves when handling.

PRACTICAL TREATMENT: In case of contact, irrigate with water for at least 15 minutes. If swallowed, promptly induce vomiting with 1% sodium bicarbonate solution. Remove and discard contaminated clothing.

ENVIRONMENTAL HAZARDS: Do not discharge into lakes, streams, ponds, or other bodies of water. Obtain NPDES Permit.

STORAGE AND DISPOSAL: Store only in tightly sealed containers inaccessible to children. Do not store in storage or disposal.

Pesticide wastes are flammable and toxic. Pesticide spray mixtures cannot be disposed of in household trash. For more instructions, contact your local health department, Agency, or the hazardous waste Regional Office for guidance.

Do not reuse empty containers. Triple rinse empty containers with water. Do not reuse or refill containers. Other procedures apply. Containers may be disposed of by local authorities. Do not burn. Do not smoke.

Hako®
Minuteman®
2277 Ford Parkway

GALLON

B-Q 32 PINE ODOR DISINFECTANT