

PM31

1658-26

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OCT 23 1985

Hillyard Chemical Company
302 North Fourth Street
P.O. Box 909
St. Joseph, MO 64502

Attention: James G. Ross
Technical Service Director

Gentlemen:

Subject: Vindicator
EPA Registration No. 1658-26
Your Submission of August 15, 1985

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of this condition.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767C)

Enclosure

91363:Lee:RD-75:KENDCO:10/11/85:Del. 10/24/85:eg/PS

CONCURRENCES

SYMBOL ▶							
SURNAME ▶							
DATE ▶							

CLASSIFIED BY UNDERWRITERS LABORATORIES, INC.®
 AS TO ELECTRICAL CONDUCTIVITY WHEN USED ON
 CONDUCTIVE FLOORS AND SPONTANEOUS HEATING.
 VINDICATOR FOR USE WITH LISTED ELECTRICALLY
 CONDUCTIVE FLOORING OF THE VINYL TYPE. 941P
 ALSO CLASSIFIED AS TO SLIP RESISTANCE.



ACCEPTED
 with COMMENTS
 in EPA Letter Dated

EPA Reg. No. 1658-26

EPA Est.

OCT 23 1985

#164

VINDICATOR

Disinfectant-Cleaner-Sanitizer-Fungicide-Mild
 Virucide-Deodorizer for Hospitals, Institutional and
 Effective in hard water up to 400 ppm hardness (calcul
 in the presence of 5% serum contamination

- ACTIVE INGREDIENTS:**
 Octyl decyl dimethyl ammonium chloride
 Dioctyl dimethyl ammonium chloride
 Didecyl dimethyl ammonium chloride
 Alkyl (C14, 50%; C12, 40%; C16, 10%)
 dimethyl benzyl ammonium chloride
INERT INGREDIENTS:
TOTAL:

Precautionary Statements
Hazard to Humans and Domestic Animals
DANGER
KEEP OUT OF REACH OF CHILDREN
 Corrosive. Causes eye and skin damage. Do not get in
 eyes, on skin, or on clothing. Wear goggles or face shields
 and rubber gloves when handling. Harmful or fatal if
 swallowed or absorbed through skin. Avoid contamination
 of food.
STATEMENT OF PRACTICAL TREATMENT
 In case of contact, immediately flush eyes or skin with
 plenty of water for at least 15 minutes. For eyes, call a
 physician. Remove and wash contaminated clothing
 before reuse.
 If swallowed, drink promptly a large quantity of milk, egg
 whites, gelatine solution; or if these are not available, drink
 large quantities of water. Avoid alcohol. Call a physician
 immediately.
NOTE TO PHYSICIAN: Probable mucosal damage may
 contraindicate the use of gastric lavage. Measures against
 circulatory shock, respiratory depression, and convulsion
 may be needed.

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 amended, for the pesticide
 registered under EPA Reg. No.
 1658-26

**For Sale For Use And Storage By
 Maintenance Personnel Only**

KEEP OUT OF REACH OF CHILDREN
DANGER

(See left panel for additional precautionary statements)

NET: 1 U.S. GALLON OR 3.785



st. No. 1658-MO-1

DR[®]

dewstat-
Industrial Use
ulated as .CaCO₃)
tion

.....	6.510%
.....	3.255%
.....	3.255%
.....	8.680%
.....	78.300%
.....	100.000%

REN

tements)

LITERS

DIRECTIONS FOR USE

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

Vindicator is a proven "one-step" disinfectant - cleaner - sanitizer - fungicide - mildewstat - virucide which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

Apply Vindicator to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks, tile, porcelain, and bedframes with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty.

Disinfection - To disinfect hard, non-porous surfaces, add 0.5 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of Vindicator has been evaluated in the presence of 5% serum and 400 ppm hard water by the AOAC use dilution test and found to be effective against a broad spectrum of gram negative and gram positive organisms as represented by:

<i>Pseudomonas aeruginosa</i>	<i>Salmonella schottmuelleri</i>
<i>Staphylococcus aureus</i>	<i>Streptococcus faecalis</i>
<i>Salmonella choleraesuis</i>	<i>Shigella dysenteriae</i>
<i>Escherichia coli</i>	<i>Brevibacterium ammoniagenes</i>
<i>Streptococcus pyogenes</i>	<i>Salmonella typhi</i>
<i>Klebsiella pneumoniae</i>	<i>Serratia marcescens</i>
<i>Enterobacter aerogenes</i>	

Fungicidal Performance - Vindicator 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, exercise facilities etc., at 0.5 oz./gallon.

Mold and Mildew Control - At 0.5 oz./gallon, Vindicator will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mildew growth returns.

Virucidal Performance - At 0.5 oz. per gallon use-level, Vindicator was evaluated in the presence of 5% serum and 400 ppm hard water and found to be effective against the following viruses: Influenza A/Brazil, Herpes Simplex Type 1 and Type 2 and Vaccinia on inanimate hard non-porous environmental surfaces.

Sanitizing-Non-Food Contact Surfaces (such as floors, walls, tables, etc.) - At 0.5 oz. per 5.5 gallon use-level, Vindicator is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard porous and non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

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STORAGE AND DISPOSAL

- Do not contaminate water, food, or feed by storage or disposal.
- Do not store on side.
- Avoid creasing or impacting of side walls.

PESTICIDE DISPOSAL

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

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. Do not reuse empty container. Wrap container and put in trash.

Manufactured by HILLYARD CHEMICAL CO., St. Joseph, MO 64502 U.S.A.