



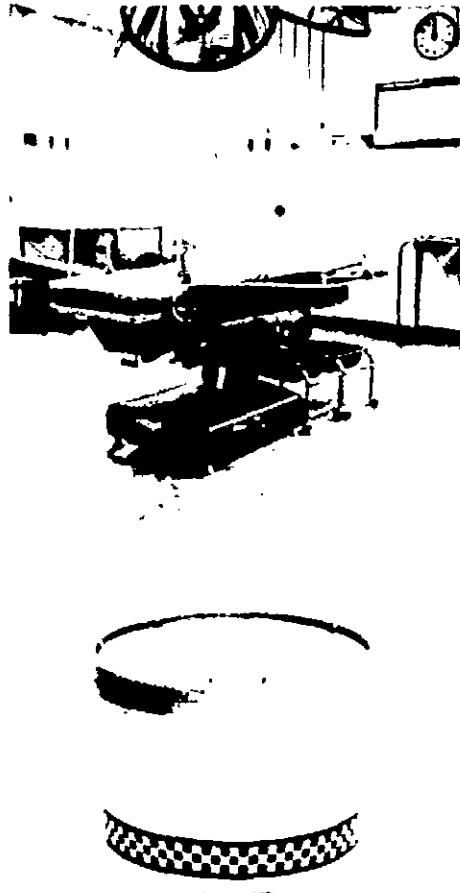
#164

VINDICATOR

The proven, concentrated, hospital grade, one-step disinfectant/cleaner sanitizer/fungicide/mildewstat/virucide that cleans, controls the hazard of cross contamination from environmental surfaces even in water with hardness up to 400 ppm and in the presence of 5% serum contamination and leaves a pleasant fragrance . . . all this protection at an economical one-half ounce per gallon dilution.

Vindicator is especially adapted for use on floors, walls and other hard surfaces where broad spectrum kill is important. It's a proven one-step disinfectant sanitizer/fungicide/mildewstat/virucide which is effective in hard water (up to 400 ppm) in the presence of 5% serum contamination. You can save time labor and money maintaining the cleanliness level you require.

VIRUCIDAL, FUNGICIDAL
In a single disinfectant detergent Vindicator offers effective control against a broad spectrum of bacteria and is virucidal and fungicidal. It's a specially formulated disinfectant designed to meet the stringent disinfectant requirements of hospitals, nursing homes and even operating rooms. It's also an economical disinfectant for nurseries, restrooms, hotels, industrial areas and institutions.



KILLS ATHLETE'S FOOT FUNGUS ON HARD ENVIRONMENTAL SURFACES

Vindicator is an effective fungicidal against Trichophyton mentogrophytes (athlete's foot fungus) when used on surfaces in areas like locker rooms, dressing rooms, shower and bath areas, exercise facilities, etc., when used as directed.

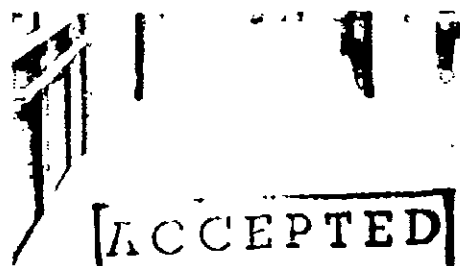
CLEANS . . . DISINFECTS

Vindicator has a powerful synthetic detergent with excellent cleaning properties. Its powerful detergent action quickly frees normal dirt and grime for easy removal, plus it's effective in hard water (400 ppm) in the presence of 5% serum contamination at its normal 1-256 use dilution. Vindicator leaves all floors and inanimate surfaces clean and bright with no soap scum buildup.

EFFECTIVE

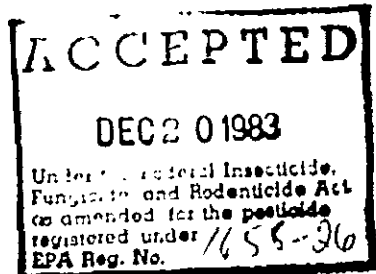
Vindicator is a proven formulation that leaves your floors and other surfaces clean and bright. It's listed under U.S.A. Poultry, Meat, Rabbit and Egg Products inspection program, classifications A4 and C1.

Available in 1 and 5 gallon containers



SPRAYABLE

For larger areas you can save time spraying Vindicator with a mechanical sprayer. Vindicator cleans and disinfects surfaces with a simple spray application without rinsing in non food processing areas. You only need to rinse in food preparation areas, and before polish application.



PLEASANT TO USE

Besides its excellent cleaning qualities and broad spectrum protection against problem pathogens, Vindicator is formulated with a pleasant fragrance. It leaves a fresh, clean smell.

ECONOMICAL

It just takes 1/2 ounce of Vindicator per gallon of water for regular cleaning and all disinfecting claims. Its economical use dilution saves unnecessary product inventory.

VERSATILE

Vindicator can be used effectively on any non-porous surface that water will not harm — floors, walls, ceilings, woodwork, furniture, fixtures.

CONTROLS ODORS

Vindicator has a clean, pleasant fragrance coupled with mildewstat properties that actually destroys odors at their source. It leaves surfaces sparkling clean with a lemon scent.

NO RESIDUE

Vindicator is effective in water up to 400 ppm hardness in the presence of 5% serum contamination so it doesn't leave "Calcium Soap" or soap scum buildup to dull colors, catch dirt or create unsightly soap buildup. Your disinfecting cleaning operation is fast, easy and efficient so you save time, labor and money.

U.L. CLASSIFIED

Vindicator is classified by Underwriters Laboratories, Inc.* as to electrical conductivity when used on conductive floors and spontaneous heating, 941P. For use with vinyl type electrically conductive flooring. It's also U.L. classified as to slip resistance, 186S.

EPA REGISTERED

Vindicator is registered by the Environmental Protection Agency EPA REG. NO. 1658-26

*Virucidal: Influenza A/Brazil, Herpes Simplex and Vaccinia Virus at .5 oz. per gallon use level on inanimate environmental surfaces.

TECHNICAL DATA — VINDICATOR

1. Nonvolatile matter	32% minimum	8. Flash point (T.C.C.)	142°F.
2. Color	Yellow	9. Freezing point	Below 30°F.
3. Odor	Lemon	10. Freeze-Thaw stability	Stable after agitation
4. Clarity	Clear	11. pH, concentrate	12.5 - 13.5
5. Sediment	None	12. Germicide type	Quaternary (Four)
6. Viscosity, Gardner, 25°C	A-3 — A-4	13. Synthetic detergent	Present
7. Weight per gallon, 25°C	8.5 lbs (3.86 kg)	14. Soap	None

TEST METHODS:

- 1. ASTM D2534
- 5. ASTM D1290
- 7. ASTM D1475
- 8. ASTM D56
- 11. ASTM F70

APPROVALS:

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

EPA Reg. No. 1658-26
EPA Est. No. 1658-MO-1

683 (#164)

Manufactured by HILLYARD CHEMICAL COMPANY, St. Joseph, Missouri 64502 U.S.A.

LABEL INFORMATION

BEST DOCUMENT AVAILABLE

ACCEPTED
DEC 20 1983
Under Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide registered under EPA Reg. No. 1658-26
EPA Reg. No. 658-26



EPA Est. No. 1658-MO 1

For Sale For Use And Storage
By Maintenance Personnel Only

#164

VINDICATOR[®]

Disinfectant-Cleaner-Sanitizer Fungicide Mildewstat Virucide*
Deodorizer for Hospitals, Institutional and Industrial Use
Effective in hard water up to 400 ppm hardness (calculated as CaCO₃) in the presence of 5% serum contamination

ACTIVE INGREDIENTS	
Octyl decyl dimethyl ammonium chloride	6.510%
D-octyl dimethyl ammonium chloride	3.255%
Didecyl dimethyl ammonium chloride	3.255%
Alkyl (C14, 50% C12, 40% C16, 10%) dimethyl benzyl ammonium chloride	8.680%
INERT INGREDIENTS	
	78.300%
TOTAL	100.000%

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) which is used on surfaces in areas such as locker rooms, dressing rooms, showers and bath areas, exercise facilities, etc., at 0.5 oz. per gallon.

Mold and Mildew Control - At 0.5 oz. per gallon Vindicator will effectively control the growth of mold and mildew and the odors caused by them when applied to hard non-porous surfaces (as long as the general conditions allowed). Allow to dry on surface and inhibit further mold growth.

Virucidal Performance - At 0.5 oz. per gallon over Vindicator will effectively control the presence of 5% serum and 400 ppm hard water in water used for effective against the following viruses: Influenza A, B, and C, Herpes, and Varicella. It has been found to be effective against the following bacteria: *Staphylococcus aureus* and *Klebsiella pneumoniae*. Hard porous and non-porous surfaces must be kept wet for 10 minutes.

Sanitizing Non-Food Contact Surfaces (such as floors, walls, tables, etc.) - At 0.5 oz. per gallon over Vindicator is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae*. Hard porous and non-porous surfaces must be kept wet for 10 minutes.

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

Precautionary Statements
Hazards to Humans and domestic animals

DANGER
KEEP OUT OF REACH OF CHILDREN

Corrosive Causes eye and skin damage. Do not get in eyes or on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed or absorbed through skin. Avoid contamination of food.

STORAGE AND DISPOSAL
CONTAINER INFORMATION
KEEP OUT OF REACH OF CHILDREN
DO NOT REUSE OR REFILL THIS CONTAINER

PESTICIDE DISPOSAL
DO NOT CONTAMINATE WATER, FOOD, FEEDS, OR OTHER FEEDSTUFFS

CONTAINER DISPOSAL
DO NOT REUSE OR REFILL THIS CONTAINER

GENERAL
DO NOT USE IN FOOD PREPARATION AREAS

KEEP OUT OF REACH OF CHILDREN
DANGER

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, gelatin 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 convulsions may be needed.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured by
HILLYARD CHEMICAL COMPANY, St. Joseph, Missouri 64502



GERMICIDAL-DETERGENT EVALUATION CHART

(Use the space provided to compare germicidal detergents).

PRODUCT NAME	HILLYARD VINDICATOR	_____	_____	_____
EPA REGISTRATION NUMBER	1658-26	_____	_____	_____
USE DILUTION (Per label information)	1:256	_____	_____	_____
EFFICIENCY (Per label information)		_____	_____	_____
GERMICIDAL QUALIFICATIONS	Yes	_____	_____	_____
HARD WATER EFFECTIVENESS (as CaCO ₃)	Yes (400 ppm)	_____	_____	_____
5% BLOOD SERUM	Yes	_____	_____	_____
TUBERCULOCIDAL QUALIFICATIONS	No	_____	_____	_____
HARD WATER EFFECTIVENESS (as CaCO ₃)	No	_____	_____	_____
5% BLOOD SERUM	No	_____	_____	_____
FUNGICIDAL QUALIFICATIONS	Yes	_____	_____	_____
HARD WATER EFFECTIVENESS (as CaCO ₃)	Yes (400 ppm)	_____	_____	_____
5% BLOOD SERUM	Yes	_____	_____	_____
VIRUCIDAL QUALIFICATIONS	Yes	_____	_____	_____
HARD WATER EFFECTIVENESS (as CaCO ₃)	Yes (400 ppm)	_____	_____	_____
5% BLOOD SERUM	Yes	_____	_____	_____
SPRAYABLE (Per label information)	Yes	_____	_____	_____
TOXICOLOGY (Concentrate)		_____	_____	_____
CAUSES EYE DAMAGE	Yes	_____	_____	_____
CAUSES SKIN DAMAGE	Yes	_____	_____	_____
ORALLY TOXIC (Fatal if swallowed)	Yes	_____	_____	_____
CONTENTS (Per label information)		_____	_____	_____
PARA TERTIARY AMYLPHENOL CONTENT	NA	_____	_____	_____
PARA TERTIARY BUTYLPHENOL CONTENT	NA	_____	_____	_____
QUATS (Number)	4 (21.7%)	_____	_____	_____
ENVIRONMENTAL CONSIDERATIONS		_____	_____	_____
DETERGENT BIODEGRADABLE	Yes	_____	_____	_____
PHOSPHATE CONTENT	None	_____	_____	_____
FLAMMABLE LIQUID		_____	_____	_____
TAG CLOSED CUP FLASH POINT	Yes (142°F)	_____	_____	_____
pH CONCENTRATE	12.9 - 13.9	_____	_____	_____
IDL CLASSIFIED	Yes	_____	_____	_____
<small>(For hazardous locations conducive floors)</small>		_____	_____	_____
SLIP RESISTANCE (Per label information)	Yes (U.L.)	_____	_____	_____



Hillyard Chemical Company

