

Hospital Type
BULK

HOW TO USE *Lysol* BRAND DISINFECTANT

LYSOL IS IN CONCENTRATED FORM. DILUTE ACCORDING TO DIRECTIONS.

PURPOSE	Correct Solution Strength	To prepare proper dilu- tions in required quantities, add full strength LYSOL to water as below.	
		LYSOL	WATER
FOR DISINFECTION OF SURGICAL AND DENTAL INSTRUMENTS: Remove blood and exudates. Immerse in- struments in LYSOL solution for 15 minutes. If instruments are to remain in LYSOL solu- tion for substantially longer periods of time, add 1 gram of sodium bicarbonate to each quart of LYSOL solution; stir to dissolve completely. Also add 2 oz. of Isopropyl al- cohol per quart to LYSOL solution.	3% (3:100)	30 cc.	1 quart
FOR SANITARY DISPOSAL OF URINE, FECES: To urine, add equal amount of LYSOL solu- tion. For feces, place LYSOL solution in pan in amount slightly larger than expected dis- charge. After receiving feces, mix thor- oughly with solution, then cover and let stand for one hour before disposal.		4 oz.	1 gallon
FOR SANITIZING LAUNDRY, LINENS, BLANKETS AND DIAPERS: Add 1 cup of LYSOL to each 17 gallons of water. (See brochure for detailed instruc- tions.)		12 oz.	3 gallons
		20 oz.	5 gallons

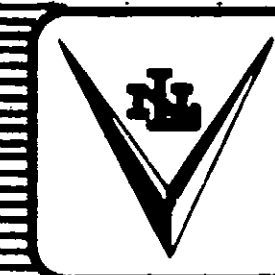
ONE TABLESPOONFUL EQUALS ABOUT ½ FLUID OUNCE OR 15 cc.

PRECAUTIONS

Harmful if swallowed. Causes eye and skin irritation. Do not get in eyes. Avoid contact with skin. Avoid contamination of food. Rinse empty container thoroughly with water and discard.

FIRST AID

In case of contact with eyes, flush thoroughly with 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. Call a physician.



Hospital Type
BULK

Lysol

BRAND DISINFECTANT

GERMICIDAL*, staphylocidal, pseudomonacidal**,
tuberculocidal

FUNGICIDAL* (Against pathogenic fungi)

VIRUCIDAL* Against Influenza A₂, Herpes simplex,
Vaccinia, Adenovirus Type 2

*On Hard, Non-Porous Surfaces **At 2% Solution

Prevents Mold and Mildew

ACTIVE INGREDIENTS: Soap, 16.50%;
o-Phenylphenol, 2.80%; o-Benzyl-p-chlor-
ophenol, 2.70%; Alcohol, 1.80%; Xylen-
ols, 1.50%; Isopropyl Alcohol, 0.90%;
Tetrasodium Ethylene-diamine Tetraace-
tate, 0.76%.

INERT INGREDIENTS: 73.04%.

EPA REGISTRATION NO. 675-19-ZA

WARNING: KEEP OUT OF REACH OF CHILDREN.

See Side Panel for Additional Precautions and First Aid.

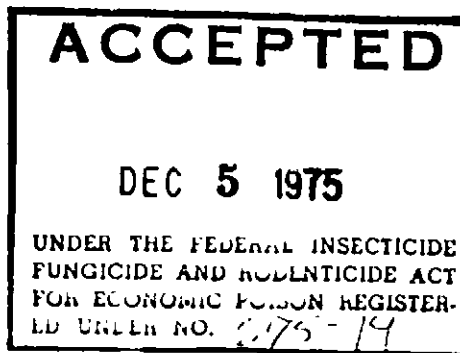
NET CONTENTS ONE GALLON

NATIONAL LABORATORIES
LEHN & FINK INDUSTRIAL PRODUCTS DIVISION
of Sterling Drug Inc.

Montvale, N.J. 07645

Plant: Toledo, Ohio 43612

ACCEPTED

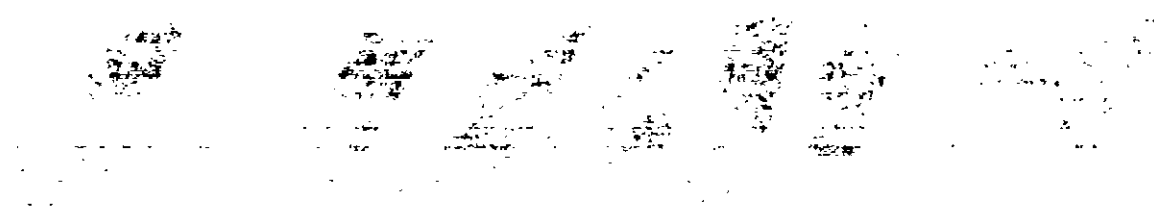


ACCEPTED

DEC 5 1975

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTER-
ED UNDER NO. 675-19

BULK

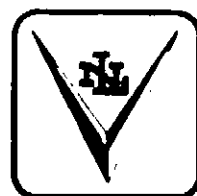


®

BRAND DISINFECTANT

EPA REGISTRATION NO. 675-19-ZA

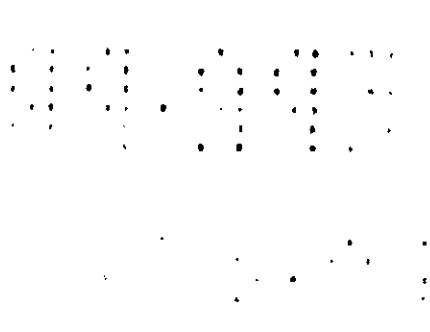
Broad-Spectrum
Antimicrobial
Activity for
hospital use.



*Another of National Laboratories' family
of hospital disinfectants and disinfectant-detergents*

**Lehn & Fink Industrial Products Division
of Sterling Drug Inc.**

America's foremost manufacturer of disinfectants and disinfectant-detergents for environmental sanitation



BACTERIOLOGY
USE — DILUTION METHOD

[®] BULK
BRAND
DISINFECTANT

BULK LYSOL[®] brand disinfectant is a broad-spectrum phenolic disinfectant which destroys a wide variety of pathogens on environmental surfaces including *Staphylococcus aureus*, *Proteus vulgaris*, the fungus *Candida albicans* and *Mycobacterium tuberculosis* at a use-dilution of 1:100. At 2:100, it is effective against *Pseudomonas aeruginosa*.

For more than 80 years, LYSOL has been effective in environmental control of health-care facilities. Continuous research insures that its high germicidal efficacy is maintained and enhanced to meet the changing needs of hospitals and nursing homes.

CONTENTS

- Bacteriology
- Housekeeping
- Isolation Units
- Operating Rooms
- Recovery Rooms
- Obstetrics
- Maternity
- Nursery
- Pediatrics
- Emergency Rooms
- Outpatient Department
- Directions for Use

Tests Performed

Procedure — Official — as described by Official Methods of Analysis of the Association of Official Analytical Chemists: pages 61-63, 11th Edition, Washington, D.C., 1970, Stuart, L. S., Testing Sterilizers, Disinfectants, Sanitizers and Bacteriostatic Chemicals, Proceedings of the Chemical Specialties Manufacturers Association: pages 123-125, May 1969.

Number of Cylinders + Out of those Tested						
Sample	Dilution of Bulk LYSOL	Pseudomonas aeruginosa				
1	2:100	0 of 30 cylinders				
2	2:100	0 of 30 cylinders				
3	2:100	0 of 30 cylinders				
Phenol		5'	10'	15'		
	1:80	+	—	—		
	1:85	+	—	—		
	1:90	+	+	+		
Sample	Dilution of BULK LYSOL	Staphylococcus aureus			Salmonella choleraesuis	
1	1:100	0 of 60 cylinders			0 of 30 cylinders	
2	1:100	0 of 60 cylinders			0 of 30 cylinders	
3	1:100	0 of 60 cylinders			0 of 30 cylinders	
Phenol		5'	10'	15'	5'	10'
	1:60	—	—	—	—	—
	1:70	+	+	+	—	—
	1:80	+	+	+	—	—
	1:85				—	—
	1:90				+	—
	1:100				+	+

Tests against various other organisms
Bulk LYSOL at a Use-Dilution of 1:100 except for *Pseudomonas aeruginosa* in which case the Use-Dilution is 2:100.

No. Cylinders + Test Organisms Out of 20		No. Cylinders + Test Organisms Out of 20	
Salmonella choleraesuis ATCC10708	0	Klebsiella pneumoniae ATCC9997	0
Salmonella paratyphi ATCC9281	0	Neisseria catarrhalis ATCC8176	0
Salmonella schottmuelleri ATCC10719	0	Serratia marcescens ATCC8195	0
Shigella dysenteriae ATCC11835	0	Staphylococcus aureus 209 ATCC6538	0
Enterobacter aerogenes ATCC13048	0	Staphylococcus aureus 80/81 (penicillin resistant)	0
Escherichia coli AMC198 (ATCC11229)	0	Streptococcus pyogenes ATCC12384	0
Proteus vulgaris ATCC9920	0	Streptococcus salivarius ATCC9222	0
Pseudomonas aeruginosa ATCC15442 (2:100)	0	Corynebacterium diphtheriae ATCC11913	0

FUNGICIDAL TEST I

Procedure — Official — as described by Official Methods of Analysis of the Association of Official Analytical Chemists: pages 65-66, 11th Edition, Washington, D.C., 1970.

Dilution of Bulk LYSOL: 1:100

Test Organisms	No. Cylinders + Out of 20
Candida albicans ATCC10231	0
Trichophyton interdigitale ATCC640	0

TUBERCULOCIDAL ACTIVITY TEST

Procedure — Official — Final Action — as described by Official Methods of Analysis of the Association of Official Analytical Chemists: pages 71-72, 11th Edition, Washington, D.C., 1970, Stuart, L. S., Testing Sterilizers, Disinfectants, Sanitizers and Bacteriostatic Chemicals, Proceedings of the Chemical Specialties Manufacturers Association: pages 123-125, May 1969.

Mycobacterium tuberculosis var. bovis (BCG) Number Subculture Tubes + Out of 10 Tested			
Dilution of Bulk LYSOL	Media: Proskauer-Beck	Kirchner	Middlebrook
1:100	0	0	0
Phenol 1:50	0	0	0
1:175	0	5	5

FUNGICIDAL TEST II

Procedure — Official — as described by Official Methods of Analysis of the Association of Official Analytical Chemists: pages 65-66, 11th Edition, Washington, D.C., 1970, Stuart, L. S., Testing Sterilizers, Disinfectants, Sanitizers and Bacteriostatic Chemicals, Proceedings of the Chemical Specialties Manufacturers Association: pages 123-125, May 1969.

Dilutions Germicidal in 5, 10, 15 Minutes
Trichophyton interdigitale

Dilution of Bulk LYSOL	Test 1			Test 2		
	5'	10'	15'	5'	10'	15'
1:200	—	—	—	—	—	—
1:300	—	—	—	—	—	—
1:400	+	+	—	+	—	—
1:500	+	+	+	+	+	+
1:600	+	+	+	+	+	+
Phenol 1:45	—	—	—	—	—	—
1:60	+	+	—	+	+	—
1:70	+	+	+	+	+	+

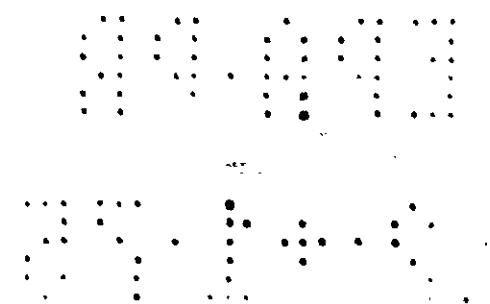
VIRUCIDAL ACTIVITY TEST

Procedure — 0.9 ml of Bulk LYSOL diluted 1:100 was mixed with 0.1 ml. of undiluted virus. The contact time was 10 minutes at room temperature. The titer of the treated virus was compared with that of untreated viral controls. The tests shown are as described by Stuart, L. S., Testing Sterilizers, Disinfectants, Sanitizers and Bacteriostatic Chemicals, Proceedings of the Chemical Specialties Manufacturers Association: pages 123-125, May 1969.

Test Virus	Virucidal Activity Titer	Grown In
Herpes simplex	10 ⁷ TCID ₅₀	Trypsinized rabbit cells
Vaccinia	10 ⁷ TCID ₅₀	He La cells
Influenza A:	10 ⁷ TCID ₅₀	Chick embryo

RESULTS:

All viruses treated with Bulk LYSOL, diluted 1:100 were completely inactivated. Complete inactivation indicates at least three logs of virus were inactivated with no residual virus detected within limits allowed by the toxicity of the germicide.



HOUSEKEEPING

Furniture, Woodwork, Shelves, Patient Lockers, Cart Rooms, Dresser Drawers, Laundry Chutes, Service Closets, Bathroom Floors, Cleaning Pails and Mops, Plumbing Fixtures.

ISOLATION UNITS

Walls, Furniture, Fixtures, Floors, Terminal Disinfection, Bed Linens, Washable Blankets.



OPERATING ROOMS

Daily and between-case disinfection, Wet Mopping, Light Fixtures, O. R. Tables, Carts, Stirrups, Metal Supports, Anesthesia Frames, Surgical Instruments (after removal of gross soil).

RECOVERY ROOMS

Patient Carts, Cubicles, Adjoining Utility Rooms, Floors, Work Surfaces, Treatment and Diagnostic Equipment.

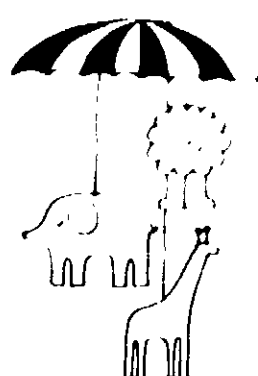
HOW TO USE BULK LYSOL™

1% (1:100)		2% (2:100)*		3% (3:100)	
LYSOL	Water	LYSOL	Water	LYSOL	Water
10 cc.	1 Quart	20 cc.	1 Quart	30 cc.	1 Quart
40 cc.	1 Gallon	80 cc.	1 Gallon	4 oz.	1 Gallon
4 oz.	3 Gallons	8 oz.	3 Gallons	12 oz.	3 Gallons
7 oz.	5 Gallons	13 oz.	5 Gallons	20 oz.	5 Gallons

*This solution should be used whenever bactericidal activity against *Pseudomonas aeruginosa* is desired.

OBSTETRICS MATERNITY

Floors, All Hard Surfaces, Air vents, Air conditioning, Bathrooms, Utility Rooms, Furniture, Lavatories, Walls and Ceiling Lights.



NURSERY

Diapers and Linen, Equipment, Floors and Similar Hard Surfaces.

PEDIATRICS

Floors, Furniture, Stationary Equipment, Air Conditioners, Vents.

EMERGENCY ROOM/OUT—PATIENT DEPARTMENT

Floors, Treatment Rooms, Examining Rooms, Cystoscopy Rooms, Instruments.

Recommended dilutions and their preparation.

Bulk LYSOL is supplied in concentrated form. To avoid waste and ensure efficiency, use in dilutions recommended for each purpose. To make the strength solution required, add concentrated LYSOL to water, in the proportions indicated below.



Walls: Wipe walls with 1% LYSOL solution. Work up from floor to ceiling, always working up and out.

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Furniture: Wipe furniture with 1% LYSOL solution. Work up from floor to ceiling, always working up and out.

Bathrooms and Utility Rooms: Daily wet mop floors, wash tiled and other surfaces, and plumbing fixtures with 1% LYSOL.

Service Closets: Disinfect walls weekly. Wash floors and sinks daily with 1% LYSOL. Keep all pails clean and dry. Mops should be laundered and dried in a drier before being stored in closet. Cleaning pails should be washed thoroughly, rinsed with fresh LYSOL solution and stored empty.

Tuberculosis hygiene -- recommended dilution: 1% and 3%.

Concurrent disinfection: Follow general disinfection procedures with 1% LYSOL. For gross contamination from vomitus, barium accident, etc., wash up and rinse with 3% LYSOL.

Terminal Disinfection: Follow general disinfection procedures, except use 3% LYSOL and include interiors of drawers and cupboards — lighting fixtures, air conditioners, etc.; rinse in same strength and allow to dry. Drench wheels, casters and furniture legs in 3% LYSOL. Wipe oral and rectal thermometers with 3% LYSOL, using friction follow with immersion in 3% LYSOL for 25 minutes.

Operating room disinfection -- recommended dilution, 1% and 3%.

Daily Disinfection: Follow general disinfection procedures with 1% LYSOL and include equipment. Allow to dry without wiping.

Disinfection procedures

Disinfection procedures

Disinfection procedures

Disinfection procedures

Linen and Diaper Sanitation

Choice of sizes

- 1 gallon drum
- 5 gallon drum
- 10 gallon drum

Environmental Disinfection

Dependable disinfection of all inanimate surfaces in the hospital is an important part of controlling cross-contamination. Other measures are, of course, necessary, but hospitals which have increased environmental disinfection are finding that cross-contamination is prevented from becoming a problem, or, if it was already one, it has been brought under control.

Let us help you with any disinfection problem you have. Technical assistance is available to your Committee on Cross-Infection or to individual department heads on request.

ACTIVE INGREDIENTS: Soap, 16.50%; o-Phenylphenol, 2.80%; o-Benzyl-P-chlorophenol, 2.70%; Ethyl Alcohol, 1.80%; Xylenols, 1.50%; Isopropyl Alcohol, 0.90%; Tetrasodium Ethylene Diamine Tetraacetate, 0.76%

INERT INGREDIENTS: 73.04%



NATIONAL LABORATORIES
Lehn & Fink Industrial Products Division
of Sterling Drug Inc.

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