

EMERGENCY PHONE - 24 HOURS
(201)573-5700

**NATIONAL
LABORATORIES**
Lehn & Fink Industrial Products Division of Sterling Drug Inc.
Montvale, New Jersey 07645

MATERIAL SAFETY DATA SHEET

Date of Issue June 1, 1979 Revised Date March 7, 1986 EPA # 777-53-675

I. IDENTIFICATION

1. Trade Name Professional Lysol[®] Brand Disinfectant Spray
2. Generic Description Disinfecting, deodorizing aerosol
3. Intended Use For disinfecting environmental surfaces and space deodorization
*Trademark

II. APPARENT HAZARDS

(See Safety and Health
Information - Sections V,
VI and VII)

1. Skin Irritation
2. Eye Irritation
3. Oral Toxicity
4. Dermal Toxicity
5. Inhalation Toxicity
6. Is product a known strong skin sensitizer?

Ratings (See section "Guidelines and Definitions")

- ☒ 1 Practically non-irritating
☒ 2 Moderately irritating
☒ 2 Slightly toxic
☐ Non-toxic
☒ Mildly toxic

☐ Yes ☒ No

III. PRODUCT COMPOSITION: Does this product contain materials in the following categories? If yes, name each material and whether a major or minor portion is present (minor ingredients -less than 10% of total composition.)

1. Metals or metal compounds (Including lead, mercury, arsenic, silver, beryllium, cadmium, chromium, manganese, nickel, aluminum, lithium). ☐ Yes ☒ No

2. Inorganic compounds (Including acids, alkalis, silica or silicates, cyanides, halogenated compounds, phosphates, sulfates, or asbestos). ☐ Yes ☒ No

3. Aliphatic carbon compounds, (Including carbon tetrachloride, other halogenated hydrocarbons, formaldehyde, methyl alcohol, acrolein, peroxides, glycols, carbon disulfide, aldehydes, esters or ketones). ☒ Yes ☐ No

Ethyl Alcohol (CAS #64-17-5)79.0%

4. Volatile aromatic carbon compounds, aromatic nitro or amino compounds. ☒ Yes ☐ No

o-Phenylphenol (CAS #90-43-7).....0.1%

N-Alkyl (C18, 92%; C16, 8%)-N-Ethyl Morpholinium

Ethylsulfates 0.035% (CAS #61791-34-2).....0.035%

5. Other materials of importance. ☐ Yes ☒ No

IV. REACTIVITY DATA

1. Is material: Liquid ☐ Solid ☐ Gas ☐ Paste ☐ Powder ☐ Aerosol ☒

Flammability determined by ASTM 3065 Flame Extension Test

2. Is material flammable? ☒ Yes ☐ No

3. Flash point and method used

70°F Tag closed cup (unaerosolized concentrate)

Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

4. Is material explosive? ☒ Yes ☐ No

5. Are volatile ingredients given off at room temperature?

☒ Yes ☐ No

Ethyl alcohol is given off when container is actuated.

6. Are volatile ingredients given off when heated during normal use?

☐ Yes ☒ No

Heating is not normal to product use.

7. Is material known to react violently with other materials? If yes, explain.

☐ Yes ☒ No

V. FIRST AID PROCEDURES

If sprayed into eyes, immediately flush with plenty of water for 15 minutes. Get medical attention if irritation persists.

Professional LYSOL[®] BRAND DISINFECTANT SPRAY

PRODUCT DATA

CHARACTERISTIC	TEST METHOD	PHYSICAL PROPERTY TEST RESULT
Contents fl.oz.		19
Pressure, psig @ 70°F		98
Spray Pattern		circular
Delivery Rate, g/sec		0.75
Propellant Type		Carbon Dioxide
pH, without propellant		8.2
USDA Category		C1

1214-036

GUIDELINES AND DEFINITIONS

SKIN IRRITATION: Ratings corresponding to the following definitions are derived from data obtained from the test methods as described in the 16 CFR 1500.41 and categories of toxicity as described in NAS Publication 1138:

1. **Practically Non-Irritating:** The undiluted product may cause mild or slight irritation (erythema skin reaction values of 0 or 1) of the intact or abraded skin of rabbits at 72 hours. EPA Category IV.
2. **Moderate Irritant:** The undiluted product causes moderate irritation (erythema skin reaction values of primarily 1 and/or 2) of the intact or abraded skin of rabbits at 72 hours. EPA Category III.
3. **Severe Irritant:** The undiluted product causes severe irritation (erythema skin reaction values of primarily 3 or 4 with or without edema) of the intact or abraded skin of rabbits at 72 hours. EPA Category II.
4. **Corrosive:** The undiluted product causes visible destruction, irreversible alterations, or scarring of the tissue structure at the sight of contact on the intact or abraded skin of rabbits. EPA Category I.

EYE IRRITATION: Ratings corresponding to the following definitions are derived from data obtained from the test methods described in the 16 CFR 1500.42 and categories of toxicity as described in NAS Publication 1138:

1. **Practically Non-Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces minimal effects, clearing in less than 24 hours. EPA Category IV.
2. **Moderately Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces corneal involvement or irritation, clearing in 7 days or less. EPA Category III.
3. **Severely Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces corneal involvement or irritation, clearing in 21 days or less. EPA Category II.
4. **Corrosive:** The undiluted product, when instilled into the eyes of rabbits, produces irreversible destruction of ocular tissue or corneal involvement or irritation persisting for more than 21 days. EPA Category I.

ORAL TOXICITY: Ratings corresponding to the following definitions are derived from data obtained from the test methods as described in the 16 CFR 1500.40 and categories of toxicity as described in 40 CFR 162.10:

1. **Non-Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from ingestion studies (LD_{50}) is greater than 5 grams per kilogram of body weight. EPA Category IV.
2. **Slightly Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from ingestion studies (LD_{50}) is greater than 500 milligrams per kilogram and less than or equal to 5 grams per kilogram of body weight. EPA Category III.
3. **Moderately Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from ingestion studies (LD_{50}) is greater than 50 milligrams per kilogram and less than or equal to 500 milligrams per kilogram of body weight. EPA Category II.
4. **Very Toxic:** The probable lethal dose of the undiluted product to 50% of the test animals determined from ingestion studies (LD_{50}) is less than or equal to 50 milligrams per kilogram of body weight. EPA Category I.

DERMAL TOXICITY: Ratings corresponding to the following definitions are derived from data obtained from the test methods as described in 16 CFR 1500.40 and categories of toxicity as described in 40 CFR 163.100-4:

1. **Non-Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from dermal toxicity studies (LD_{50}) is greater than 2 grams per kilogram of body weight with no mortality observed when this dose is administered. EPA Category IV.
2. **Slightly Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from dermal toxicity studies (LD_{50}) is greater than 2 grams per kilogram of body weight, although some mortality is observed at this dose level. EPA Category III.
3. **Moderately Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from dermal toxicity studies (LD_{50}) is greater than 200 milligrams and less than or equal to 2 grams per kilogram of body weight. EPA Category II.
4. **Very Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from dermal toxicity studies (LD_{50}) is less than or equal to 200 milligrams per kilogram of body weights. EPA Category I.

INHALATION TOXICITY: Ratings corresponding to the following definitions are derived from categories of toxicity described in 40 CFR 162.10:

1. **Non-Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from inhalation studies (LC_{50}) is greater than 20 milligrams per liter by volume when inhaled continuously for one hour or less. EPA Category IV.
2. **Mildly Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from inhalation studies (LC_{50}) is greater than 2 milligrams and less than or equal to 20 milligrams per liter by volume when inhaled continuously for one hour or less. EPA Category III.
3. **Moderately Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from inhalation studies (LC_{50}) is greater than 0.2 milligrams and less than or equal to 2 milligrams per liter by volume when inhaled continuously for one hour or less. EPA Category II.
4. **Highly Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from inhalation studies (LC_{50}) is less than or equal to 0.2 milligrams per liter of volume when inhaled continuously for one hour or less. EPA Category I.

Meets rigid AOAC efficacy standards for hospital type aerosol disinfectants.

On environmental surfaces Lysol Spray kills dangerous staph and strep germs, athlete's foot fungus and lipophilic viruses such as:

- Influenza A2
- Adeno Type 2
- Influenza Type B
- Rhino-39
- Herpes Simplex
- Vaccinia

Spray as directed to kill household germs on bathroom basins, toilet seats, telephones, empty hampers, garbage and waste receptacles, animal areas, toys, light switches, door handles, bed springs, air ducts, all hard to reach places.

Kills mold and mildew. Use on finished surfaces in basement, closets, attic, laundry rooms, storage areas, summer cottages, boat and car interiors, shower stalls. Excellent for controlling mold and mildew on mattresses, pillows, shower curtains and books. Clean surface prior to application. Spray surface until covered with mist. Repeat application as necessary.

Fast! Easy! Effective!

Lysol Brand Disinfectant Spray is germicidal when used as directed for disinfection but differs in composition from other Lysol Brand products.

ACTIVE INGREDIENTS: o-Phenylphenol 0.1%, Ethyl Alcohol 79.0%

INERT INGREDIENTS: 20.90%. Includes CO₂ Propellant and N-Alkyl (C₁₈ 92%; C₁₆ 8%)-N-Ethyl Morpholinium Ethylsulfates.

DIRECTIONS FOR USE: It is a violation of federal law to use this product in a manner inconsistent with its labeling.

To Disinfect:

1. Hold can upright, 6" to 8" from surface.
2. Spray pre-cleaned surface 2 to 3 seconds until covered with mist. Allow to stand ten minutes.

Made in U.S.A.
DOT 2P

Distributed by: **NATIONAL LABORATORIES**

Lehn & Fink Industrial Products Division of Sterling Drug, Inc.
Montvale, NJ 07645

EPA REG NO 777-53-675
EPA EST 777-53-675 (M)

33090/MA-1

PROFESSIONAL

Lysol®
BRAND

**DISINFECTANT
SPRAY
ORIGINAL
SCENT**

**ELIMINATES
ODORS**

**KILLS GERMS,
MOLD AND
MILDEW**

**NATIONAL
LABORATORIES**

**WARNING: KEEP OUT
OF REACH OF CHILDREN
READ PRECAUTIONS & FIRST AID ON BACK PANEL.**

NET WT. 19 OZ.
(1 LB. 3 OZ.)

**ELIMINATES ODORS
In the air...**

erases cooking and bathroom odors without heavy perfume. Actually eliminates odors by neutralizing them. Hold upright, spray center of room 1-2 seconds. To refreshen smoke-filled rooms immediately, spray perimeter of room and to eliminate smoking odors retained in fabrics spray around draperies, curtains and upholstered furniture.

At their source...

ordinary, non-germicidal sprays can't eliminate germ-caused odors. Lysol Spray used as disinfectant kills odor-causing bacteria in empty garbage cans, diaper pails, under sinks, empty hampers, toilet areas, sick rooms, pet areas, places where odor-causing germs are a problem. Hold upright, spray 2-3 seconds until covered with mist.

PRECAUTIONARY STATEMENTS:
Hazards to humans and domestic animals.

WARNING: Avoid contact with eyes and food.

FIRST AID: If sprayed into eyes, immediately flush with plenty of water for 15 minutes. Get medical attention if irritation persists.

PHYSICAL HAZARDS:
Flammable: Contents under pressure. Do not use near fire, sparks or flame. Do not puncture or incinerate container, exposure to temperatures above 130°F may cause bursting. Do not use on polished wood furniture, rayon fabrics or acrylic plastics.

STORAGE/DISPOSAL: Store in original container in areas inaccessible to all children. Replace cap and discard in trash. Do not puncture or incinerate.

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