



LEHN & FINK PRODUCTS
 Division of Sterling Drug Inc.
 Montvale, New Jersey 07645

EMERGENCY PHONE—24 HOURS
 (201) 381-8500

CONFIDENTIAL MATERIAL DATA SHEET

Date of Issue April 16, 1979

I. IDENTIFICATION

1. Trade Name **LYSOL BRAND DISINFECTANT SPRAY**
2. Generic Description **Disinfectant and deodorizing spray**
3. Intended Use **For environmental surfaces and space deodorization**

II. APPARENT HAZARDS

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

- | | Ratings* |
|------------------------|----------|
| 1. Skin Irritation | 1 |
| 2. Eye Irritation | 2 |
| 3. Oral Toxicity | 1 |
| 4. Dermal Toxicity | 2 |
| 5. Inhalation Toxicity | 1 |

*See section "Guidelines and Definitions" 6. Is product a known strong skin sensitizer? 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.....Major

4. Volatile aromatic carbon compounds, aromatic nitro or amino compounds.

Yes No

o-Phenylphenol.....Minor
n-Alkyl-(C₁₈ 92%, C₁₆ 8%)-Morpholinium Ethyl Sulfates.....Minor

5. Other materials of importance

Yes No

IV. REACTIVITY DATA

1. Is material: Liquid Solid Gas Paste Powder Aerosol

2. Is material flammable?

Yes No

3. Flash point and method used

95°F - Department of Transportation Modified Tag Open Cup

4. Is material explosive? Pressurized Container

Yes No

5. Are volatile ingredients given off at room temperature?

Yes No

Ethyl Alcohol

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

Yes No

Not normal to use

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

Yes No

V. HANDLING, STORAGE, TRANSPORTATION, AND DISPOSAL REQUIREMENTS

WARNING: Keep out of reach of children. Avoid contact with food. Avoid direct spraying into eyes.

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.

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 40 CFR 162.10.

- 1. Practically Non-Irritating:** The undiluted product may cause mild or slight irritation (edema and erythema skin reaction values of 0 or 1) of the intact or abraded skin of rabbits at 72 hours. Primary Irritation Index of 0-1.9. EPA Category IV.
- 2. Moderate Irritant:** The undiluted product causes moderate irritation (edema and erythema skin reaction values of primarily 1 and/or 2) of the intact or abraded skin of rabbits at 72 hours. Primary Irritation Index of 2.0-4.9. EPA Category III.
- 3. Severe Irritant:** The undiluted product causes severe irritation (edema and erythema skin reaction values of primarily 3 or 4) of the intact or abraded skin of rabbits at 72 hours. Primary Irritation Index of 5 or more. EPA Category II.
- 4. Corrosive:** The undiluted product causes visible destruction or irreversible alteration of the tissue structure at the sight of contact on the intact or abraded skin of rabbits following immediate, prolonged, or repeated contact. EPA Category I.

EYE IRRITATION: Ratings corresponding to the following definitions are derived from data obtained from the test methods described in 16 CFR 1500.42 and categories of toxicity as described in 40 CFR 162.10.

- 1. Practically Non-Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces no noticeable irritation. EPA Category IV.
- 2. Mildly Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces no corneal opacity; may produce conjunctival irritation which is reversible within seven days. EPA Category III.
- 3. Moderately Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces corneal opacity which is reversible within seven days, or conjunctival irritation persisting for seven days. EPA Category II.
- 4. Strongly Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces corneal opacity not reversible within seven 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 162.10.

- 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 20 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 dermal toxicity studies (LD_{50}) is greater than 2 grams and less than or equal to 20 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 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.

VI. FIRST AID PROCEDURES

**If sprayed directly into eyes immediately flush with plenty of water.
Get medical attention if irritation persists.**

VII. SPECIAL PROTECTION INFORMATION

1. Ventilation

Not applicable.

2. Respiratory Protection

Not applicable.

3. Other Protective Measures

Not applicable.

VIII. LABELING

Where applicable, this product is labeled and packaged in accordance with the regulations of the following agencies.

- Department of Transportation, under the Federal Hazardous Materials Transportation Act.**
- Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act.**
- Consumer Products Safety Commission under the Federal Hazardous Substances Act.**

The information herein is given in good faith but no warranty, express or implied, is made.

GUIDELINES and DEFINITIONS

(continued)

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.