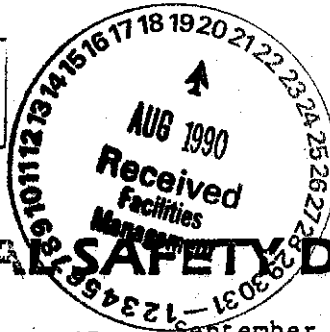


EMERGENCY PHONE - 24 HOURS
(201)573-5700



604-1033
NATIONAL LABORATORIES
Lehn & Fink Industrial Products Division of Sterling Drug Inc.
Montvale, New Jersey 07645

601
custodian

MATERIAL SAFETY DATA SHEET

Date of Issue September 1985 Revised Date September 5, 1985 EPA # 675-43

I. IDENTIFICATION

- 1. Trade Name **AMPBYL* Disinfectant-Deodorant-Detergent**
- 2. Generic Description **Synthetic phenolic disinfectant**
- 3. Intended Use **Disinfect and deodorize environmental surfaces**
- *Trademark

II. APPARENT HAZARDS

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

Ratings (See section "Guidelines and Definitions")

- 1. Skin Irritation 3 Severe Irritant
- 2. Eye Irritation 4 Corrosive
- 3. Oral Toxicity 1 Non-toxic
- 4. Dermal Toxicity 1 Non-Toxic
- 5. Inhalation Toxicity - Not Applicable
- 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

Isopropyl alcohol less than 3.0% CAS#67-63-0

Propylene Glycol less than 8.0% CAS#57-55-6

AMPHYL® Disinfectant-Deodorant-Detergent

PRODUCT DATA

CHARACTERISTIC	TEST METHOD	PHYSICAL PROPERTY/ TEST RESULT
Appearance		Slightly Viscous Liquid
Color		Dark Red
Odor		Juniper/Pine Needle
Viscosity @ 77°F, cps	Brookfield spindle #2 @ 30 rpm	20-25 cps
Specific Gravity @ 77°F		1.1167
Weight/Gallon @ 77°F		9.31
Water Solubility, %		Complete
pH, conc.	ASTM E-70	10.8
pH, 1:200	ASTM E-70	9.45
Rinsing Properties		Free rinsing
Abrasives		None
Deleterious Effect on Flooring Asphalt Vinyl Vinyl asbestos	Federal Specification PD-220a	Pass Pass Pass
Effects on Conductive Flooring Terrazzo Linoleum Vinyl	National Fire Protection Assoc. Standard No. 56A	Pass Pass Pass

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

Yes No

o-phenylphenol 10.5% CAS# 90-43-7
o-benzyl-p-chlorophenol 5.0% CAS# 120-32-1

5. Other materials of importance.

Yes No

Sulfonated Detergents less than 20.0% CAS#s 1300-72-7;
25155-30-0;
26264-58-4;
27178-87-6

Tetrasodium Ethylene Diamine Tetraacetate 3.0% CAS# 64-02-8

IV. REACTIVITY DATA

1. Is material: Liquid Solid Gas Paste Powder Aerosol

2. Is material flammable?

Yes No

3. Flash point and method used
>200°F Tag Closed Cup

4. Is material explosive?

Yes No

5. Are volatile ingredients given off at room temperature?

Yes No

Isopropyl Alcohol

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

Yes No

Isopropyl Alcohol

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

Yes No

V. HANDLING, STORAGE, TRANSPORTATION, AND DISPOSAL REQUIREMENTS

PRECAUTIONARY STATEMENTS : HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: KEEP OUT OF REACH OF CHILDREN. Corrosive, causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Avoid contamination of food.

HANDLING, STORAGE, TRANSPORTATION, AND DISPOSAL REQUIREMENTS (Cont.)

1 gallon:

Storage: Store in original container in areas inaccessible to small children.

Disposal: Do not re-use empty container. Wrap and discard in trash.

55 gallon:

Do not contaminate water, food, or feed by storage and disposal. Do not reuse empty container. Storage - Store in original container. Pesticide Disposal - Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container Disposal - Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

VI. FIRST AID PROCEDURES

If in eyes or on skin; Flush with water for 15 minutes. For eyes, get immediate medical attention. If swallowed, promptly drink a large quantity of milk, egg whites, or gelatin solution; if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

VII. SPECIAL PROTECTION INFORMATION**1. Ventilation**

Not Applicable

2. Respiratory Protection

Not Applicable

3. Other Protective Measures

Rubber gloves and glasses or goggles are suggested as a method of protection for skin and eyes.

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

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.

AMPHYL® Disinfectant-Deodorant-Detergent

PRODUCT DATA

CHARACTERISTIC	TEST METHOD	PHYSICAL PROPERTY/ TEST RESULT
Appearance		Slightly Viscous Liquid
Color		Dark Red
Odor		Juniper/Pine Needle
Viscosity @ 77°F, cps	Brookfield spindle #2 @ 30 rpm	20-25 cps
Specific Gravity @ 77°F		1.1167
Weight/Gallon @ 77°F		9.31
Water Solubility, %		Complete
pH, conc.	ASTM E-70	10.8
pH, 1:200	ASTM E-70	9.45
Rinsing Properties		Free rinsing
Abrasives		None
Deleterious Effect on Flooring Asphalt Vinyl Vinyl asbestos	Federal Specification PD-220a	Pass Pass Pass
Effects on Conductive Flooring Terrazzo Linoleum Vinyl	National Fire Protection Assoc. Standard No. 56A	Pass Pass Pass