

EMERGENCY PHONE - 24 HOURS
(201)573-5700

5190
**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 September 4, 1985 EPA # Not Applicable

I. IDENTIFICATION

1. Trade Name **NL* Concentrate All Purpose Cleaner**
2. Generic Description General purpose cleaner
3. Intended Use To clean any environmental surface
*Trademark

II. APPARENT HAZARDS

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

Ratings (See section "Guidelines and Definitions")

- | | | |
|---|---|----------------------------|
| 1. Skin Irritation | ☐ 1 | Practically Non-Irritating |
| 2. Eye Irritation | ☐ 1 | Slightly Irritating |
| 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

Sodium Tripolyphosphate less than 5.0% CAS#7758-29-4

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

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

☐ Yes ☒ No

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

>200°F Tag Closed Cup

4. Is material explosive?

☐ Yes ☒ No

5. Are volatile ingredients given off at room temperature?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

V. HANDLING, STORAGE, TRANSPORTATION, AND DISPOSAL REQUIREMENTS

Not applicable

FIRST AID PROCEDURES

In case of contact with 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

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 16 CFR 1500.3.

1. **Practically Non-Irritating:** The undiluted product may cause mild or slight inflammation (edema and erythema skin reaction values of 0 or 1) of intact and abraded skin of rabbits following immediate, prolonged, or repeated contact during the study period. Primary Irritation Index of 0-1.9.
2. **Irritant:** The undiluted product caused inflammation (edema and erythema skin reaction values of primarily 1 and/or 2) of intact or abraded skin of rabbits following immediate, prolonged or repeated contact during the study period. Primary Irritation Index of 2-4.
3. **Primary Skin Irritant:** The undiluted product causes moderate to severe inflammation (edema and erythema skin reaction values of primarily 3 and/or 4) upon immediate, prolonged or repeated contact with the intact or abraded skin of rabbits. Primary Irritation Index of 5 or more.
4. **Corrosive:** The undiluted product causes visible destruction or irreversible alterations of the tissue structure at the site of contact on intact or abraded skin of rabbits following immediate prolonged or repeated contact.

EYE IRRITATION: Ratings corresponding to the following definitions are derived from data obtained from test methods described in the 16 CFR 1500.42 and according to the Draize Scale for scoring ocular lesions obtained from "Appraisals of the Safety of Chemicals in Food, Drugs, and Cosmetics," pp. 49-51, 1959.

1. **Slightly Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces no noticeable irritation, or slight conjunctival irritation. (Average Draize score range 0.00-15.0).
2. **Mildly Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces mild to moderate conjunctival irritation, mild corneal involvement with or without mild iritis. (Average Draize score range 15.1 - 25.0).
3. **Moderately Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces moderate corneal involvement with or without severe iritis. (Average Draize score range 25.1-50.0).
4. **Strongly Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces severe corneal involvement with or without severe iritis. (Average Draize score range 50.1-110.0).

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 16 CFR 1500.3.

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.
2. **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 and less than or equal to 5 grams per kilogram of body weight.
3. **Highly Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from ingestion studies (LD_{50}) is greater than or equal to 50 milligrams per kilogram of body weight.

DERMAL TOXICITY: Ratings corresponding to the following definition are derived from data obtained from the test methods as described in 16 CFR 1500.40 and categories of toxicity as described in 16 CFR 1500.3.

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.
2. **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.
3. **Highly Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from dermal toxicity studies (LD_{50}) is greater than or equal to 200 milligrams per kilogram of body weight.

INHALATION TOXICITY: Ratings corresponding to the following definitions are derived from the categories of toxicity described in 16 CFR 1500.3.

1. **Non-Toxic:** The probable lethal concentration of the undiluted product to 50% of the test animals (LC_{50}) is greater than 200 milligrams per liter by volume when inhaled continuously for one hour or less.
2. **Toxic:** The probable lethal concentration of the undiluted product to 50% of the test animals (LC_{50}) is greater than 2 milligrams and less than or equal to 200 milligrams per liter by volume when inhaled continuously for one hour or less.
3. **Highly Toxic:** The probable lethal concentration of the undiluted product to 50% of the test animals (LC_{50}) is less than or equal to 2 milligrams per liter by volume when inhaled continuously for one hour or less.

NL® Concentrate All Purpose Cleaner

PRODUCT DATA

CHARACTERISTIC	TEST METHOD	PHYSICAL PROPERTY/ TEST RESULT
Appearance		Viscous liquid
Color		Pink
Odor		Citrus
Viscosity @ 77°F, cps	Ford Cup	~ 4 minutes
Specific Gravity @ 77°F		1.043
Weight/Gallon @ 77°F		8.68
Water Solubility, %		100
pH, conc.	ASTM E-70	10.0 – 10.5
pH, 1:50	ASTM E-70	9.3 – 9.8
Rinsing Properties		Free rinsing
Abrasives		None
Detergency		Excellent
Deleterious Effect on Flooring Asphalt Vinyl Vinyl Asbestos	Federal Specification PD-220a	Pass Pass Pass
Foaming		Moderate
Phosphates, % as P		0.93
Biodegradability (surfactants), %		100
USDA Category		A-4 & E-1

