



# SAFETY DATA SHEET

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Version 2

LY Cleaner

Lythic™ Cleaner - Concrete Floor Cleaner

## 1. IDENTIFICATION

### Product identifier

**Product Name**

Lythic™ Cleaner - Concrete Floor Hardener

### Other means of identification

**Product Code**

LY CLEANER

### Recommended use of the chemical and restrictions on use

**Recommended Use**

Restricted to professional users.

### Details of the supplier of the safety data sheet

**Supplier Address**

Solomon Colors, Inc.  
4050 Color Plant Road  
Springfield, IL  
62702

**Manufacturer Address**

Solomon Colors, Inc.  
4050 Color Plant Road  
Springfield, IL  
62702

**Company Phone Number**

800-624-0261 (US & Canada); 217-522-3112 (Outside North America)

**24 Hour Emergency Phone Number**

800-373-7542

## 2. HAZARDS IDENTIFICATION

GHS Classification(s): Not a hazardous substance or mixture

GHS Label Elements:

GHS Hazard Symbol



Precautionary Statements:

Prevention:

Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Rinse mouth. Get medical attention if symptoms continue

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician. Specific treatment (see First Aid on SDS or on this label). Wash contaminated clothing before reuse.

Storage:

Store in a secure manner in accordance with local regulations

Disposal:

Dispose of in accordance with local, regional and international regulations.

Hazards Not Otherwise Classified:

None known

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances/Mixtures:

Chemical or Common Name/Synonyms	CAS Number	% by Wt.
Triethanolamine	102-71-6	< 10 %
Glycol Ether DB	112-34-54	< 10 %
Colloidal Silica	proprietary	1 – 20%

Note: Any chemical identity and/or exact percentage not expressly stated is being withheld as a trade secret or is due to batch variation.

### 4. FIRST-AID MEASURES

#### Description of Necessary Measures:

**Eye Contact:** Hold eyelids apart and immediately flush eyes with lukewarm water for at least 15 minutes. If contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Call a physician if irritation persists.

**Skin Contact:** May cause irritation. Wash affected area with soap and water. Remove contaminated clothing and shoes. Seek medical attention if irritation persists.

**Ingestion:** Not expected to be toxic. Never give an unconscious person anything to ingest. If swallowed, immediately give two glasses of water, Seek Medical attention if ill effects develop.

**Inhalation:** May cause irritation. Remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Seek medical attention if irritation persists.

**Notes to Physician:** Treat according to person's condition and specifics of exposure.

Indication of Immediate Medical Attention and Special Treatment Needed: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

### 5. FIRE-FIGHTING MEASURES

**Flash Point:** > 160 °F / > 70 °C (Closed Cup)

**Autoignition Temperature:** Not determined

**Flammability Limits in Air:** Not determined

**Suitable Extinguishing Media:** On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.

**Special Firefighting Procedures:** Firefighters wear NIOSH approved self-contained breathing apparatus. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

**Unusual Fire Hazards:** None.

### 6. ACCIDENTAL RELEASE MEASURES

**Containment Procedures:** Stop the leak and absorb spill. Ventilate the space involved. Shut off or remove all ignition sources if possible. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Use recommended personal protective clothing and equipment.

**Methods for Cleanup and Disposal:** Do not allow material to run off work area, excess material should be absorbed or vacuumed and disposed of in accordance with regulations. Dispose of material in accordance with federal, state, and local guidelines. Place spilled material in an appropriate container for disposal.

THIS PRODUCT WHEN SPILLED OR DISPOSED OF IS A NON-HAZARDOUS WASTE AS DEFINED IN RCRA REGULATION (40CFR 261).

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin or eyes. Avoid breathing vapor, mist, dust, or fumes. Use with adequate ventilation. Do not Swallow.

**Storage:** Keep in cool, dry, ventilated storage. Keep containers tightly closed when not in use. Product may freeze if stored below 32°F. Product damage may occur if frozen.

**Waste Disposal Method:** Dispose of material in accordance with federal, state, and local guidelines.

**Special Precautions:** Avoid breathing mist. Keep from freezing. Adhere to work practice rules established by government regulations (e.g. OSHA).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation:** Provide adequate mechanical ventilation to keep exposure levels below TLV's.

**Respiratory Protection:** Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If exposure limits are exceeded, wear: NIOSH-Approved respirator. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

**Inhalation:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn.

**Protective Gloves:** Use impermeable gloves to prevent skin contact.

**Eye Protection:** wear eye protection designed to protect the eyes from liquid splash or mists. Note: contact lenses may contribute to the severity of an eye injury and should not be worn when working around chemicals.

**Other Protective Clothing or Equipment:** As needed to prevent repeated/prolonged contact.

**Work/Hygienic Practices:** Eye washes and safety showers are recommended in the work place. Wash hands after using, before eating, drinking, or using tobacco products. Periodically monitor exposure levels to hazardous ingredients listed in Section II and review permissible limits.

### OSHA Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
Glycol Ether DB	Country specific, limits have not been established or are not applicable
Colloidal Silica	80 mg/m <sup>3</sup> / %SiO <sub>2</sub> TWA (dust)

### ACGIH Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
Colloidal Silica	80 mg/m <sup>3</sup> / %SiO <sub>2</sub> TWA (dust)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Form:** Liquid

**Color:** tinted, pink

**Odor:** Slight odor

**Odor Threshold:** N.D.

**Vapor Pressure:** 17mm Hg

**Vapor Density:** not determined

**Specific Gravity:** 1.01 - 1.03 @ 25 Deg. C

**pH:** 9.4-10.4, concentrate form

**Flash Point:** > 160 °F / > 70 °C (Closed Cup)

**Boiling Point:** 100°C

**Freezing Point:** 0°C

**Water Solubility:** Miscible

**Material VOC Content:** 96 g/l (concentrated form)

**Actual VOC Content:** <17 g/l (concentrated form)

**Initial Boiling Point or Boiling Range:** N.D. Evaporation Rate (nBuAc = 1): N.D. Flammability (solid, gas): N.D.

**Lower Explosion Limit:** N.A. Upper Explosion Limit: N.A.

**Partition Coefficient (n-octanol/water):** N.D. Autoignition Temperature: No Data Decomposition Temperature: N.D. Viscosity: N.D.

% Volatile (wt%): N.D.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions

**Incompatibilities (Materials to avoid):** Strong oxidizing agents, acids

**Hazardous Decomposition Products:  
(from burning, heating  
or reaction with other materials)** Carbon dioxide, Carbon monoxide

**Conditions to avoid:** High Temperature, Ignition source

**Hazardous Polymerization:** Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Routes of Exposure:** Eyes. Skin. Inhalation. Ingestion.

**Symptoms/Effects:** Acute, Delayed, Chronic

**Eye Contact:** May cause irritation. Health effects or injuries are not expected under normal use

**Skin Contact:** May cause irritation. Health effects or injuries are not expected under normal use

**Skin Absorption:** No absorption hazard expected under normal use.

**Inhalation:** May cause irritation. Health effects or injuries are not expected under normal use

**Ingestion:** May cause irritation. Health effects or injuries are not expected under normal use

**Numerical Measures of Toxicity:**

**Inhalation Vapor: Inhalation Dust/Mist:**

Component	Oral LD50	Dermal LD50	Inhalation LC50
Triethanolamine	= 4190 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit ) > 16 mL/kg ( Rat )	No Data
Colloidal Silica	Rat: >5000 mg/kg	Rabbit: >5000 mg/kg	No Data
Acute Toxicity Estimate (ATE):	No Data	No Data	No Data

**Cancer Information:** This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

**Medical Conditions Aggravated by Exposure to Product:** Eye disorders. Skin disorders. Impaired respiratory function. Lung disorders. Respiratory system disorders.

**Other:** None known.

## 12. ECOLOGICAL INFORMATION

**Eco toxicological Information:** No data available.

**Chemical Fate Information:** No data available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal :** Dispose of container and unused contents in accordance with federal, state, and local requirements.

THIS PRODUCT WHEN SPILLED OR DISPOSED OF IS A NON-HAZARDOUS WASTE AS DEFINED IN RCRA REGULATION (40CFR 261).

## 14. TRANSPORT INFORMATION

**Land transport (DOT):** Product is not regulated during transportation

**Air transport (IATA):** Product is not regulated during transportation

**Sea transport (IMDG/IMO):** Product is not regulated during transportation

## 15. REGULATORY INFORMATION

### US FEDERAL REGULATIONS

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** The components of this product are included on the inventory list.

#### **SUPERFUND AMENDMENTS and REAUTHORIZATION ACT OF 1986 (SARA) TITLE III:**

Section 301 – 304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355. Components present in this product at a level which could require reporting under this statute:

None Present or none present in reportable quantities

Sections 311 – 312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known.

Acute Health Hazard, Chronic Health Hazard

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

This information must be included in all MSDS's that are copied and distributed for this material. Components present in this product at level which could require reporting under the statute are:

None

### STATE REGULATIONS

#### **California**

**PROPOSITION 65 CALIFORNIA:** This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

## 15. OTHER INFORMATION

### Hazard Rating System

Health: 1

Flammability: 0

Reactivity: 0

\* = Chronic Health Hazard

### NFPA Rating System

Health: 1

Flammability: 0

Reactivity: 0

Special Hazard: None

### SDS Abbreviations

N.A. = Not Applicable

N.D. = Not Determined

HAP = Hazardous Air Pollutant

voc = Volatile Organic Compound

C = Ceiling Limit

N.E./Not Estab. = Not Established

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**