

## Southern Lithoplate, Inc.

# Safety Data Sheet

SLP On The Fly

### Section 1 - Chemical Product and Company Identification

**1.1 Product identifier:** SLP On The Fly

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**

For use as a printing plate cleaner in the lithographic printing industry. Cannot be used in the EU because the product contains nonyl phenol ethoxylates.

**1.3 Details of the supplier of the safety data sheet:**

**Name:** Southern Lithoplate, Inc.  
**Address:** 105 Jeffrey Way  
Youngsville, NC 27596

**For information in North America, call:** 919-556-9400

**1.4 For emergencies in the US, call CHEMTREC:** 800-424-9300

### Section 2 - Hazards Identification

#### 2.1 Classification of the Substance or Mixture

Physical hazards:	Flam. Liq. 3 - H226
Health hazards:	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373
Environmental hazards:	Not Classified
Human health:	Prolonged or repeated exposure to vapors in high concentrations may cause the following adverse effects: Dizziness. Fatigue. Product has a defatting effect on skin. May cause damage to organs (Kidneys, Liver, Central nervous system) through prolonged or repeated exposure. Irritating to skin. May cause serious eye damage.
Environmental:	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
Physicochemical:	Heating will generate vapors which may form explosive vapor/air mixtures.

## 2.2 Label Elements

Pictograms



**Signal Word: Danger!**

### Statements of Hazard

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

### Precautionary Statements

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P260 Do not breathe vapor/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 If in eyes: rinse cautiously with water for several minutes.

Remove contact lenses if present, and if easy to do. Continue rinsing.

P310 Call a poison center/doctor.

P501 Dispose of contents/container in accordance with national regulations.

### Contains

SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.; STRAIGHT RUN KEROSENE, Silicic acid, sodium salt (MR>1.6-<=2.6), 4-nonylphenol, branched, ethoxylated, XYLENE.

**2.3 Other Hazards:** This product does not contain any substances classified as PBT or vPvB.

## Section 3 - Composition, Information on Ingredients

### 3.1 Mixtures:

SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.;  
STRAIGHT RUN KEROSENE  
CAS number: 64742-88-7

10 - 30%

#### **Classification**

Flam. Liq. 3 - H226

SDS: SLP On The Fly

Skin Irrit. 2 - H315  
STOT SE 3 - H336  
Asp. Tox. 1 - H304

Silicic Acid, Sodium Salt (MR>1.6-<=2.6) 5-10%  
CAS number: 1344-09-8

**Classification**

Acute Tox. 4 - H302  
Skin Irrit. 2 - H315  
Eye Dam. 1 - H304

4-Nonylphenol, branched, ethoxylated 1-5%  
CAS number: 127087-87-0

**Classification**

Acute Tox. 4 - H302  
Acute Tox. 4 - H332  
Eye Dam. 1 - H318

XYLENE 1-5%  
CAS number: 1330-20-7

**Classification**

Flam. Liq. 3 - H226  
Acute Tox. 4 - H312  
Acute Tox. 4 - H332  
Skin Irrit. 2 - H315  
Eye Irrit. 2A - H319  
STOT SE 3 - H335  
STOT RE 2 - H373  
Asp. Tox. 1 - H304

Potassium Hydroxide 1-5%  
CAS number: 1310-58-3

**Classification**

Met. Corr. 1 - H290  
Acute Tox. 4 - H302  
Skin Corr. 1B - H314  
Eye Dam. 1 - H318

The Full Text for all Hazard Statements are Displayed in Section 16.  
**See Section 16 for further information on EU and GHS Classification.**

## Section 4 - First Aid Measures

### 4.1 Description of First Aid Measures

- Inhalation:** Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.
- Ingestion:** Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Remove affected person from source of contamination. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.
- Skin Contact:** Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.
- Eye Contact:** Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

### 4.2 Most important symptoms and effects, both acute and delayed:

- General information** May cause damage to organs (Central nervous system, Kidneys, Liver) through prolonged or repeated exposure.
- Inhalation:** Upper respiratory irritation. Drowsiness, dizziness, disorientation, vertigo.
- Ingestion:** May cause discomfort if swallowed.
- Skin Contact:** Prolonged contact may cause redness, irritation and dry skin. Irritating.
- Eye Contact:** Prolonged contact may cause redness and/or tearing. Causes serious eye damage.

**4.3 Indication of any immediate medical attention and special treatment needed:** No specific recommendations.

## Section 5 - Fire Fighting Measures

**5.1 Suitable (and Unsuitable) Extinguishing Media:** Extinguish with the following media: Carbon dioxide (CO<sub>2</sub>). Alcohol-resistant foam. Dry chemicals, sand, dolomite etc. Do not use water, if avoidable.

**5.2 Specific Hazards Arising From the Chemical:** The product is flammable. Heating may generate flammable vapors.

**5.3 Hazardous Combustion Products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Oxides of carbon. Hydrocarbons.

**5.4 Advice for Fire-Fighters:** Avoid breathing fire gases or vapors. Containers close to fire should be removed or cooled with water. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities. Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

## Section 6 - Accidental Release Measures

**6.1 Personal Precautions, Protective Equipment, and Emergency Procedures:** Evacuate spill area and keep unprotected personnel away. Wear appropriate protective clothing and equipment as described in Section 8.

**6.2 Environmental Precautions:** Do not discharge into drains, surface and ground-water.

**6.3 Methods and Materials for Containment/Cleanup:** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid contact with skin or inhalation of spillage, dust or vapor. Absorb in vermiculite, dry sand or earth and place into containers.

**6.4 Reference to Other Sections:** Refer to Section 13 for disposal considerations.

## Section 7 - Handling and Storage

**7.1 Precautions for Safe Handling:** Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapors. Use approved respirator if air contamination is above an acceptable level.

**7.2 Conditions for Safe Storage, Including Any Incompatibilities:** Keep away from oxidizing materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place

**7.3 Storage Class:** Flammable liquid storage.

**7.4 Specific end use(s):** The identified uses for this product are detailed in Section 1.2.

## Section 8 - Exposure Controls, Personal Protection

### 8.1 Control Parameters:

Occupational exposure limits  
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.; STRAIGHT RUN KEROSENE  
ACGIH - 8 Hour, TWA - 200 mg/m<sup>3</sup>  
OSHA TWA - 400 ppm, 1600 mg/m<sup>3</sup>.

#### XYLENE

Long-term exposure limit (8-hour TWA): ACGIH 100 ppm 434 mg/m<sup>3</sup>  
Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): ACGIH 150 ppm 651 mg/m<sup>3</sup>  
A4

### 8.2 Exposure Controls

#### Personal Protective Equipment:

**Engineering Controls:** Provide adequate general and local exhaust ventilation.

**Eye/face protection:** The following protection should be worn: Chemical splash goggles or face shield.

**Hand protection:** Wear protective gloves made of the following material: Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). Nitrile rubber.

**Other skin and body Protection:** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

**Hygiene measures:** Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Do not smoke in work area.

**Respiratory protection:** No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## Section 9 - Physical and Chemical Properties

### 9.1 Information on basic Physical and Chemical Properties:

<b>Appearance</b>	Viscous liquid. Emulsion.
<b>Color</b>	White.
<b>Odor</b>	Hydrocarbons.
<b>Odor threshold</b>	No information available.
<b>pH</b>	12
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	212°F @ 760 mm Hg

<b>Flash point</b>	110°F TCC (Tag closed cup).
<b>Evaporation rate</b>	< 1 (butyl acetate = 1)
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Vapor pressure</b>	<3 mm Hg @ 20°C
<b>Vapor density</b>	>1
<b>Relative density</b>	1 @ 20°C
<b>Bulk density</b>	Not applicable.
<b>Solubility</b>	Miscible with water.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition temperature</b>	No information available.
<b>Viscosity</b>	> 20.5 mm <sup>2</sup> /s.
<b>Oxidizing properties</b>	Not applicable.
<b>Comments</b>	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 220 g/l (1.8 lb per Gallon).

## Section 10 - Stability and Reactivity

**10.1 Reactivity:** Not normally reactive.

**10.2 Chemical Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**10.3 Possibility of Hazardous Reactions:** Will not polymerize.

**10.4 Conditions to Avoid:** Avoid heat.

**10.5 Incompatibilities with Other Materials:** Strong oxidizing agents. Strong reducing agents. Strong acids. Strong alkalis.

**10.6 Hazardous Decomposition Products:** Fire creates vapors, gases, fumes of: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), hydrocarbons.

## Section 11 - Toxicological Information

### 11.1 Information on Toxicological Effects:

#### Acute toxicity - oral

Notes (oral LD<sub>50</sub>)

Based on available data the classification criteria are not met.

ATE oral (mg/kg)

7,051.1

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>)

Based on available data the classification criteria are not met.

ATE Dermal (mg/kg)

99,818.51

## SDS: SLP On The Fly

### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>)

Based on available data the classification criteria are not met.

ATE inhalation (gases)

408348.46 PPM

ATE inhalation (vapors)

998.19 mg/l

ATE inhalation (dusts/mists)

22.13 mg/l

### Skin corrosion/irritation

Animal data

Irritating.

Serious eye damage/irritation

Causes eye damage.

Respiratory sensitization

Based on available data the classification criteria are not met.

Skin sensitization

Based on available data the classification criteria are not met.

### Germ cell mutagenicity

Genotoxicity - in vitro

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

### Reproductive toxicity

Fertility

Based on available data the classification criteria are not met.

### Specific target organ toxicity

STOT - single exposure

Drowsiness, dizziness, disorientation, vertigo.

### Specific target organ toxicity

STOT - repeated exposure

Contains Xylene. May cause damage to organs (Central nervous system, Kidneys, Liver) through prolonged or repeated exposure.

Target organs

Central nervous system, liver, kidneys.

Aspiration hazard

Not anticipated to present an aspiration hazard, based on chemical structure.

General information

May cause damage to organs through prolonged or repeated exposure.

Inhalation

May cause respiratory system irritation. The product contains organic solvents. Overexposure may depress the central nervous system, causing dizziness and intoxication.

Ingestion

May cause discomfort if swallowed.



## SDS: SLP On The Fly

Skin Contact	Irritating. Contains components which may penetrate the skin. Repeated exposure may cause skin dryness or cracking.
Eye contact	May cause serious eye damage.
Route of entry	Skin and/or eye contact, inhalation, skin absorption.
Target Organs	Central nervous system, liver, kidneys, respiratory system, lungs, skin, eyes.

## Section 12 - Ecological Information

**12.1 Ecotoxicity:** Not known. The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

### **Toxicity**

**Acute toxicity - fish** Not known.

**Acute toxicity - aquatic Invertebrates** Not known.

**Acute toxicity - aquatic plants** Not known.

**12.2 Persistence and Degradability:** There are no data on the degradability of this product. The product contains nonyl phenol ethoxylate which can be transformed into persistent (not readily degradable) nonyl phenols when degraded. Only for use outside the EU - The surfactants contained in this preparation do not meet the criteria for Ultimate Biodegradability and therefore the product does not comply with the Detergents Regulation (EC) No 648/2004.

**12.3 Bio accumulative Potential:** No data available on bioaccumulation.

**12.4 Partition coefficient:** No information available.

**12.5 Mobility in Soil:** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is miscible with water and may spread in water systems.

**12.6 Results of PVT and vPvB assessment:** This product does not contain any substances classified as PBT or vPvB.

**12.7 Other Adverse Effects:** Not known.

## Section 13 - Disposal Considerations

**13.1 Waste Treatment Methods:** When handling waste, the safety precautions applying to handling of the product should be considered. Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## Section 14 - Transport Information

### UN Number

**DOT/IMDG/ICAO** 1993

**UN proper shipping name** FLAMMABLE LIQUID, N.O.S.  
(CONTAINS PETROLEUM DISTILLATES)

**Transport hazard class** 3

### Transport labels



**Packing group** III

**Environmental hazards** Environmentally Hazardous Substance



**14.6 Special Precautions for User:** EmS F-E, S-E

**14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code:** Not applicable.

## Section 15 - Regulatory Information

### **15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

#### **U.S. REGULATIONS:**

##### **SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

ETHYLENE OXIDE  
<0.01%

##### **CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

POTASSIUM HYDROXIDE

1 TO 5 %

ACETALDEHYDE

<0.01%

BENZENE

<0.1%

ETHYLBENZENE

<0.1%

CUMENE

<0.1%

TOLUENE

<0.1%

NAPHTHALENE

<0.1%

XYLENE

1-5%

ETHYLENE OXIDE

<0.01%

1,4 DIOXANE

<0.01%

##### **SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

Not listed.

##### **SARA 313 Emission Reporting**

XYLENE

1-5%

##### **CAA Accidental Release Prevention**

ETHYLENE OXIDE

<0.01%

##### **FDA - Essential Chemical**

Not listed.

##### **FDA - Precursor Chemical**

Not listed.

##### **OSHA Highly Hazardous Chemicals**

SDS: SLP On The Fly

ETHYLENE OXIDE

<0.01%

**US State Regulations**

**California Proposition 65 Carcinogens and Reproductive Toxins**

ETHYLENE OXIDE

<0.01%

1,4-DIOXANE

<0.01%

BENZENE

<0.1%

ETHYLBENZENE

<0.1%

CUMENE

<0.1%

TOLUENE

<0.1%

NAPHTHALENE

<0.1%

**California Air Toxics "Hot Spots" (A-I)**

ETHYLENE OXIDE

<0.01%

1,4-DIOXANE

<0.01%

BENZENE

<0.1%

ETHYLBENZENE

<0.1%

CUMENE

<0.1%

TOLUENE

<0.1%

NAPHTHALENE

<0.1%

XYLENE

1-5%

**California Air Toxics "Hot Spots" (A-II)**

Not listed.

**California Directors List of Hazardous Substances**

POTASSIUM HYDROXIDE

1 - 5 %

ETHYLENE OXIDE

<0.01%

1,4-DIOXANE

<0.01%

BENZENE

<0.1%

ETHYLBENZENE

<0.1%

CUMENE

<0.1%

TOLUENE

SDS: SLP On The Fly

<0.1%  
NAPHTHALENE  
<0.1%  
XYLENE  
1-5%  
ETHANOL  
<0.01%

**Massachusetts "Right To Know" List**

POTASSIUM HYDROXIDE

1 – 5 %  
ETHYLENE OXIDE  
<0.01%  
1,4-DIOXANE  
<0.01%  
BENZENE  
<0.1%  
ETHYLBENZENE  
<0.1%  
CUMENE  
<0.1%  
TOLUENE  
<0.1%  
NAPHTHALENE  
<0.1%  
XYLENE  
1-5%  
ETHANOL  
<0.1%

**Rhode Island "Right To Know" List**

POTASSIUM HYDROXIDE

1 – 5 %  
ETHYLENE OXIDE  
<0.01%  
1,4-DIOXANE  
<0.01%  
BENZENE  
<0.1%  
ETHYLBENZENE  
<0.1%  
CUMENE  
<0.1%  
TOLUENE  
<0.1%  
NAPHTHALENE  
<0.1%  
XYLENE  
1-5%  
ETHANOL  
<0.01%

**Minnesota "Right To Know" List**

POTASSIUM HYDROXIDE

1 – 5 %

SDS: SLP On The Fly

ETHYLENE OXIDE

<0.01%

1,4-DIOXANE

<0.01%

Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated

<1%

BENZENE

<0.1%

ETHYLBENZENE

<0.1%

CUMENE

<0.1%

TOLUENE

<0.1%

NAPHTHALENE

<0.1%

XYLENE

1-5%

ETHANOL

<0.01%

**New Jersey "Right To Know" List**

POTASSIUM HYDROXIDE

1 – 5 %

ETHYLENE OXIDE

<0.01%

1,4-DIOXANE

<0.01%

BENZENE

<0.1%

ETHYLBENZENE

<0.1%

CUMENE

<0.1%

TOLUENE

<0.1%

NAPHTHALENE

<0.1%

XYLENE

1-5%

ETHANOL

<0.01%

**Pennsylvania "Right To Know" List**

POTASSIUM HYDROXIDE

1 – 5 %

ETHYLENE OXIDE

<0.01%

1,4-DIOXANE

<0.01%

BENZENE

<0.1%

ETHYLBENZENE

<0.1%

CUMENE

SDS: SLP On The Fly

<0.1%  
TOLUENE  
<0.1%  
NAPHTHALENE  
<0.1%  
XYLENE  
1-5%  
ETHANOL  
<0.01%

Inventories

**Canada - DSL/NDSL**

All the ingredients are listed or exempt.  
DSL

**US - TSCA**

All the ingredients are listed or exempt.

**US - TSCA 12(b) Export Notification**

Not listed.

## Section 16 - Additional Information

**Key literature references and sources for data**

Material Safety Data Sheet, Misc. manufacturers.

**Revision comments**

NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date**

8/04/2015

**Hazard statements in full**

H226 Flammable liquid and vapor.  
H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs (Liver, Kidneys, Central nervous system) through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

**ACA HMIS Health rating.**

Moderate hazard. (2)

**ACA HMIS Physical hazard**

SDS: SLP On The Fly

**rating.** Normally stable. (0)

**ACA HMIS Personal protection rating.** C

**ACA HMIS Flammability rating.** Burns only if heated moderately. (2)

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Southern Lithoplate Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Southern Lithoplate Inc. has been advised of the possibility of such damages.*