

SDS Number: 840

Southern Lithoplate Inc.

Safety Data Sheet

Southern Lithoplate 840 Plate Finisher

Section 1 - Chemical Product and Company Identification

1.1 Product identifier: Southern Lithoplate Inc. 840 Plate Finisher

1.2 Relevant identified uses of the substance or mixture and uses advised against: For use in plating processes.

1.3 Details of the supplier of the safety data sheet:

Name: Southern Lithoplate Inc.
Address: 105 Jeffrey Way
Youngsville, N.Carolina. 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

CLP /GHS Classification (1272/2008): Not classified as hazardous.

EU Classification (67/548/EEC): Not classified as dangerous

2.2 Label Elements: None required.

2.3 Other Hazards: None

Section 3 - Composition, Information on Ingredients

3.2 Mixtures:

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Chemical Name	CAS# / EINECS#	EU Classification (67/548/EEC)	GHS Classification Regulation (EC) No 1272/2008	%
Non-hazardous Ingredients	Mixture	None	None	>99
Phosphoric acid	7664-38-2 213-633-2	C R34	Met Corr. 1 (H290); Skin Corr. 1 (H314)	<1

See Section 16 for further information on EU and GHS Classification.

Section 4 - First Aid Measures

4.1 Description of First Aid Measures

Eyes: Flush eyes with plenty of water. If irritation or other symptoms persist, seek medical attention.

Skin: Rinse skin with plenty of water. If skin irritation or redness develops, seek medical attention.

Ingestion: Do not induce vomiting unless directed to by doctor or physician. If the victim is fully conscious, have them drink a glass of water. Get medical assistance by calling a doctor or poison center. Never give anything by mouth to a person who is unconscious or drowsy.

Inhalation: If symptoms of exposure develop, remove to fresh air. Seek medical attention if symptoms persist.

Notes to Physician: Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed: Direct eye contact may cause mild irritation.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention should not be required.

Section 5 - Fire Fighting Measures

5.1 Suitable (and Unsuitable) Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire.

5.2 Specific Hazards Arising From the Chemical: During a fire, Carbon monoxide, irritating and toxic fumes and gases, and carbon dioxide may be generated by thermal decomposition or combustion.

5.3 Advice for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where

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chemicals are used or stored.

Section 6 - Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency

Procedures: Wear appropriate protective clothing and equipment as described in Section 8.

6.2 Environmental Precautions: It is recommended to keep away from drains, surface and ground-water. Report spill as required by local and national regulations.

6.3 Methods and Materials for Containment / Cleanup: Collect into a suitable container for disposal. Rinse area with water.

6.4 Reference to Other Sections: Refer to Section 8 for protective equipment and Section 13 for disposal considerations.

Section 7 - Handling and Storage

7.1 Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin and clothing. Wash hands after use. Keep out of the reach of children.

7.2 Conditions for Safe Storage, Including Any Incompatibilities: No special storage required. For product quality, avoid freezing

7.3 Specific end use(s): For use in plating processes.

Section 8 - Exposure Controls, Personal Protection

8.1 Control Parameters:

Chemical Name	Exposure Limits
Non-hazardous Ingredients:	
United States	None established
Germany	None established
United Kingdom	None established
European Union	None established
Phosphoric Acid:	
United States	1 mg/m ³ TWA OSHA PEL 1 mg/m ³ TWA, 3 mg/m ³ STEL ACGIH-TLV
Germany	2 mg/m ³ TWA, 4 mg/m ³ STEL (Inhalable Aerosol) DFG MAK
United Kingdom	1 mg/m ³ TWA, 2 mg/m ³ STEL UK WEL
European Union	1 mg/m ³ TWA, 2 mg/m ³ STEL EU WEL

Note: If not listed above, refer to local regulations for specific country exposure limits.

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8.2 Exposure Controls

Engineering Controls: General ventilation should be adequate for all normal use.

Personal Protective Equipment:

Respiratory Protection: None required under normal use conditions. For operations where exposure limits may be exceeded use a NIOSH approved respirator (mask). Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134, and all other applicable regulations; and good Industrial Hygiene practice.

Gloves: None required under normal use conditions.

Eyes: Safety glasses or goggles are recommended if eye contact is possible.

Other Protective Equipment/Clothing: None required under normal use conditions.

Section 9 - Physical and Chemical Properties

9.1 Information on basic Physical and Chemical Properties:

Physical State: Liquid

Appearance: Colorless solution

Odor: Mild odor

Odor Threshold: Not available

pH: 2.5 - 3.0

Freezing/Melting Point: ~32°F (0°C)

Initial Boiling Point/Range: ~212°F (100°C)

Flash Point: Not applicable

Evaporation Rate: Not available

Flammability (solid, gas): Not applicable

Flammability Limits: LEL: Not applicable UEL: Not applicable

Vapor Pressure: Approximately 17mmHg @ 20°C

Vapor Density: 0.6

Relative Density: 1.0-1.1

Solubility In Water: Completely soluble.

Coefficient Of Water/Oil Distribution: Not determined

Autoignition Temp: Not Determined

Decomposition Temperature: Not available

Viscosity: Not Determined

Volatile Organic Compounds (VOC): None

9.2 Other Information: None

Section 10 - Stability and Reactivity

10.1 Reactivity: Not normally reactive.

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10.2 Chemical Stability: Stable under normal temperatures and pressures.

10.3 Possibility of Hazardous Reactions: Will react with strong oxidizing agents.

10.4 Conditions to Avoid: Incompatible materials. Freezing.

10.5 Incompatibilities with Other Materials: Strong oxidizing agents.

10.6 Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Section 11 - Toxicological Information

11.1 Information on Toxicological Effects:

Acute Hazards:

Inhalation: No adverse effects expected from the normal use of this product.

Skin Contact: No adverse effects expected from the normal use of this product.

Eye Contact: Direct contact may cause slight eye irritation.

Ingestion: Swallowing may cause gastrointestinal disturbances.

Chronic Effects: None expected.

Carcinogenicity Listing: None of the components are listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Non-Hazardous ingredients: Not acutely toxic.

Phosphoric acid: LD50 Oral Rat: 4200 mg/kg

Section 12 - Ecological Information

12.1 Ecotoxicity:

Phosphoric acid: EC50 Daphnia magna >100 mg/ L / 48 hr.

12.2 Persistence and Degradability:

No data available.

12.3 Bio accumulative Potential:

No data available.

12.4 Mobility in Soil:

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No data available.

12.5 Results of PVT and vPvB assessment: No data available

12.6 Other Adverse Effects: No data available

Section 13 - Disposal Considerations

13.1 Waste Treatment Methods:

Dispose of in accordance with all local, state/provincial and federal regulations.

Section 14 - Transport Information

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	N/A	Not classified for transport	N/A	N/A	N/A
Canadian TDG	N/A	Not classified for transport	N/A	N/A	N/A
EU ADR/RID	N/A	Not classified for transport	N/A	N/A	N/A
IMDG	N/A	Not classified for transport	N/A	N/A	N/A

14.6 Special Precautions for User: None

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

Section 15 - Regulatory Information

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

U.S. REGULATIONS:

TSCA

All ingredients are listed on the TSCA inventory.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

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CERCLA Section 103: Hazardous Substances and corresponding RQs

Phosphoric acid: CAS# 7664-38-2: RQ 5,000 lbs. (2,270 Kg).
Final RQ for product 500,000 lbs. (227,000 kg)

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Hazard Category (311/312): Non-hazardous.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Clean Air Act:

This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

Phosphoric Acid CAS# 7664-38-2: In this product is listed as a Hazardous Substance under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

US. State Regulations

California Prop 65

None of the chemicals in this product are listed.

European/International Regulations

WGK (Water Danger/Protection)

Phosphoric Acid CAS# 7664-38-2: 1

Canada - DSL/NDSL

All components listed on DSL/NDSL

Canada - WHMIS

Not a controlled substance.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

Section 16 - Additional Information

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SDS Date of preparation/revision: February 17, 2014 – Format updated to GHS
SDS: Changes to all sections.

REVISION SUMMARY: Update OSHA HazCom 2012 GHS format: Changes to all sections.

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):

C Corrosive

R34 Causes burns

CLP /GHS Classification and H Phrases for Reference (See Section 3):

H314 Causes severe skin burns and eye damage.

H290 May be corrosive to metal

Eye Corr. 1 – Eye Corrosion Category 1

Met. Corr. 1 – Corrosive to Metals Category 1

Skin Corr. 1 - Skin Corrosion Category 1

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.