

Southern Lithoplate Inc.

Safety Data Sheet

Southern Lithoplate 8N4 Replica NIR Finisher

Section 1 - Chemical Product and Company Identification

1.1 Product identifier: Southern Lithoplate 8N4 Replica NIR 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):

Physical:	Health:	Environmental
Non-Hazardous	Eye Irritation Category 2A Skin Irritation Category 2 Skin Sensitizer Category 1 Respiratory Sensitizer Category 1	Non-Hazardous

2.2 Label Elements:



Danger!
Statements of Hazard

SDS Number: 8N4

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements

Prevention

P261 Avoid breathing mist, vapors or spray.

P264 Wash exposed skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves, and eye protection.

P285 In case of inadequate ventilation wear respiratory protection.

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

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

P337 + P313 If eye irritation persists: Get medical attention.

Disposal

P501 Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None

Section 3 - Composition, Information on Ingredients

3.2 Mixtures:

Chemical Name	CAS# / EINECS#	GHS Classification Regulation (EC) No 1272/2008	%
Non-hazardous Ingredients	Mixture	Not Classified as Hazardous	95-99
Gum Arabic	9000-01-5 232-519-5	Eye Irrit. 2A (H319); Skin Irrit. 2 (H315); Skin Sens. 1 (H317); Resp. Sens. 1 (H334); STOT SE 3 (H335)	1-5
Phosphoric acid	7664-38-2 213-633-2	Met Corr. 1 (H290); Skin Corr. 1 (H314)	<1
Ethanolamine Sulfite	15535-29-2 239-580-7	Skin Corr. 1 (H314)	<1

See Section 16 for further information on GHS Classification.

Section 4 - First Aid Measures

4.1 Description of First Aid Measures

Eyes: If contact occurs, immediately flush eyes with large quantities of water for 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.

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

Ingestion: Do not induce vomiting unless directed to by doctor or physician. If the victim is fully conscious, have them rinse mouth with 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 immediate medical attention for allergic reactions, or if symptoms persist.

Notes to Physician: Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed: Causes severe eye irritation, and skin irritation. Inhalation of mists may cause mild respiratory irritation. May cause an allergic respiratory reaction that can be life threatening. May cause an allergic skin reaction in some individuals. Ingestion causes gastrointestinal irritation.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is required for allergic respiratory reactions.

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, oxides of carbon and sulfur 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 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.

SDS Number: 8N4

6.2 Environmental Precautions: It is recommended to keep away from drains, surface and ground-water.

6.3 Methods and Materials for Containment / Cleanup: Absorb with an inert material. Collect into a suitable container for disposal. Rinse area with water. Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations.

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 eye and skin contact. Avoid breathing mists or vapors. Use only with appropriate protective equipment. Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities.

Empty containers retain product residue and may be hazardous. Do not cut, weld, drill, etc. containers, even empty. Do not reuse empty containers.

7.2 Conditions for Safe Storage, Including Any Incompatibilities: Store locked up.

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 Germany United Kingdom European Union	None established None established None established None established
Gum Arabic: United States Germany United Kingdom European Union	None established None established None established None established
Phosphoric Acid: United States Germany United Kingdom European Union	1 mg/m ³ TWA OSHA PEL 1 mg/m ³ TWA, 3 mg/m ³ STEL ACGIH-TLV 2 mg/m ³ TWA, 4 mg/m ³ STEL (Inhalable Aerosol) DFG MAK 1 mg/m ³ TWA, 2 mg/m ³ STEL UK WEL 1 mg/m ³ TWA, 2 mg/m ³ STEL EU WEL
Ethanolamine Sulfite: United States	None established

SDS Number: 8N4

Germany	None established
United Kingdom	None established
European Union	None established

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

8.2 Exposure Controls

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

Personal Protective Equipment:

Respiratory Protection: For operations where exposure limits may be exceeded use a NIOSH approved respirator (mask) with appropriate eye protection. 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: Wear appropriate impervious protective gloves to avoid skin exposure.

Eyes: Wear chemical splash goggles.

Other Protective Equipment/Clothing: Wear appropriate protective clothing to avoid skin exposure.

Section 9 - Physical and Chemical Properties

9.1 Information on basic Physical and Chemical Properties:

Physical State: Liquid

Appearance: Straw colored

Odor: Mild

Odor Threshold: Not available

pH: 4.0 – 4.4

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: Not determined

Vapor Density: Not determined

Relative Density: 1.02 – 1.04

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): Not available

9.2 Other Information: None

Section 10 - Stability and Reactivity

10.1 Reactivity: Not normally reactive.

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.

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: Inhalation of mists may cause mild respiratory irritation. May cause an allergic respiratory reaction that can be life threatening.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction in some individuals.

Eye Contact: Causes severe eye irritation.

Ingestion: Ingestion causes gastrointestinal irritation.

Chronic Effects: None expected.

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

Acute Toxicity Values:

Non-Hazardous ingredients: Not acutely toxic.

Gum Arabic: LD50 Oral Rat: >16,000 mg/kg

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.

SDS Number: 8N4

12.2 Persistence and Degradability:

No data available

12.3 Bio accumulative Potential:

No data available

12.4 Mobility in Soil: 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.

SDS Number: 8N4

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.

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 588,235 lbs. (267,379 kg)

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Hazard Category (311/312): Acute Health, Chronic Health

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

Contains chemicals that are listed.

European/International Regulations

WGK (Water Danger/Protection)

Phosphoric Acid CAS# 7664-38-2: 1

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

SDS Date of preparation/revision: May 14, 2015

REVISION SUMMARY: New SDS

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

H290 May be corrosive to metal

H315 Causes skin Irritation.

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

Eye Corr. 1 – Eye Corrosion Category 1

Eye Irrit. 2A – Eye Irritation Category 2A

Met. Corr. 1 – Corrosive to Metals Category 1

STOT SE 3 – Specific Target Organ Toxicity: Single Exposure Category 3

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.