Lythic Protector
by Solomon Colors, Inc.

CLASSIFICATION: 03 35 00 Concrete Finishing

PRODUCT DESCRIPTION: Lythic Protector is a breathable concrete treatment that protects and enhances polished concrete floors. It improves surface hardness through densification and reduces liquid penetration, enhance color, increase gloss reading and improve traction of polished concrete surfaces. CSI 03 35 43

Section 1: Summary

CONTENT INVENTORY

Inventory Reporting Format
- Nested Materials Method
- Basic Method

Threshold Disclosed Per
- Material
- Product

Threshold level
- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

All Substances Above the Threshold Indicated Are:

Characterized
- Yes Ex/SC
- Yes
- No

% weight and role provided for all substances.

Screened
- Yes Ex/SC
- Yes
- No

All substances screened using Priority Hazard Lists with results disclosed.

Identified
- Yes Ex/SC
- Yes
- No

All substances disclosed by Name (Specific or Generic) and Identifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
LYTHIC PROTECTOR | WATER BM-4 ACRYLIC POLYMERS NoGS SILICA, AMORPHOUS LT-P1 | CAN MONOETHANOLAMINE LT-P1 RES [ RES | SKI END ]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0 g/l
Regulatory (g/l): 25 g/l

Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: N/A

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1
Nanomaterial ... Yes

INVENTORY AND SCREENING NOTES:
Some components are not identified so as to protect proprietary information

CERTIFICATIONS AND COMPLIANCE
See Section 3 for additional listings.

VOC emissions: MAS Certified Green - VOC Emissions

CONSISTENCY WITH OTHER PROGRAMS
No pre-checks completed or disclosed.
Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

LYTHIC PROTECTOR

PRODUCT THRESHOLD: 1000 ppm
RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: All components or ingredients used in the manufacturing of this product are analyzed for purity and consistency as determined by product specification and analysis provided by individual ingredient manufacturers. Materials that do not comply are not considered for use in the manufacturing of this product.

OTHER PRODUCT NOTES: Product is evaluated in its concentrated form.

WATER

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2019-01-04

%: 45.00 - 75.00
GS: BM-4
RC: None
NANO: No
ROLE: diluent

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS
None found
No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Product reported in concentrate form. Diluent, carrier

ACRYLIC POLYMERS

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2019-01-04

%: 25.00 - 40.00
GS: NoGS
RC: None
NANO: No
ROLE: polymer

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS
None found
No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Reported as a concentrated material.

SILICA, AMORPHOUS

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2019-01-04

%: 1.00 - 5.00
GS: LT-P1
RC: None
NANO: Yes
ROLE: Reactive Compound

Lythic Protector
hpdrepository.hpd-collaborative.org

HPD v2.1.1 created via HPDC Builder Page 2 of 5
### MONOETHANOLAMINE

**ID:** 141-43-5

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-04

<table>
<thead>
<tr>
<th>%: 0.00 - 1.00</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Solvent Carrier</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>HAZARD TYPE</strong></th>
<th><strong>AGENCY AND LIST TITLES</strong></th>
<th><strong>WARNINGS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H314 - Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance Sh - Danger of skin sensitization</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Reported as a concentrated material.

**SUBSTANCE NOTES:** Reported as a concentrated material. Hazards refer to a respirable form of the compound not present in the reported material.
Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

### VOC EMISSIONS

**MAS Certified Green - VOC Emissions**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
</tbody>
</table>

**CERTIFICATE URL:**
https://www.mascertifiedgreen.com/solomon

**ISSUE DATE:** 2018-03-15  
**EXPIRY DATE:** 2020-04-01

**CERTIFIER OR LAB:** MAS Certified Green

**CERTIFICATION AND COMPLIANCE NOTES:** Certificates available upon request or at third-party certifier's website

### VOC CONTENT

**SCAQMD Rule 1113 Architectural Coatings - Clear Wood Finishes including Varnish & Sanding Sealer, Lacquers, Mastic Coatings, Recycled Coatings - 2007 amendments**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
</tbody>
</table>

**CERTIFICATE URL:**

**ISSUE DATE:** 2018-03-15  
**EXPIRY DATE:** none

**CERTIFIER OR LAB:** none

**CERTIFICATION AND COMPLIANCE NOTES:** Product as manufactured contains less VOC than the threshold required by Rule 1113

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

**NO ACCESSORIES ARE REQUIRED FOR THIS PRODUCT**  
**HPD URL:** No HPD Available

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

no accessories are required for this product

Section 5: General Notes

This product has been tested according to California Department of Public Health Standard Method v1.2 for VOC compliance. This product does not contain any ingredients listed on the Living Building Challenge v3.1 Red List.
### MANUFACTURER INFORMATION

| MANUFACTURER: Solomon Colors, Inc. | CONTACT NAME: Thomas Collupy |
| ADDRESS: 4050 Color Plant Rd. Springfield IL 62702, United States | TITLE: Manager |
| WEBSITE: www.solomoncolors.com | PHONE: 800-624-0261 |
| EMAIL: info@solomoncolors.com |

### KEY

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th>GreenScreen (GS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU Aquatic toxicity</td>
<td>BM-4 Benchmark 4 (prefer-safer chemical)</td>
</tr>
<tr>
<td>CAN Cancer</td>
<td>BM-2 Benchmark 2 (use but search for safer substitutes)</td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td>BM-U Benchmark Unspecified (insufficient data to benchmark)</td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td>PreC Preconsumer (Post-Industrial)</td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td>PostC Postconsumer</td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td>Both Both Preconsumer and Postconsumer</td>
</tr>
<tr>
<td></td>
<td>Unk Inclusion of recycled content is unknown</td>
</tr>
<tr>
<td></td>
<td>None Does not include recycled content</td>
</tr>
</tbody>
</table>

### Other Terms

<table>
<thead>
<tr>
<th>Inventory Methods:</th>
<th>Nano Composed of nano scale particles or nanotechnology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Method / Material Threshold</td>
<td>Third Party Verified Verification by independent certifier approved by HPDC</td>
</tr>
<tr>
<td>Nested Method / Product Threshold</td>
<td>Preparer Third party preparer, if not self-prepared by manufacturer</td>
</tr>
<tr>
<td>Basic Method / Product Threshold</td>
<td>Applicable facilities Manufacturing sites to which testing applies</td>
</tr>
</tbody>
</table>

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain. The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.