

**CLASSIFICATION:** 03 35 43

**PRODUCT DESCRIPTION:** Lythic Densifier is a single component, spray-applied, topical additive used to improve the surface of concrete. Lythic Densifier will harden and dustproof concrete surfaces by creating calcium silicate hydrates in the concrete pores. Lythic Densifier is an efficient alternative to traditional silicate densifiers.

**Section 1: Summary**

**Basic Method / Product Threshold**

**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

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

*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  
*One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.*

**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*  
**GREENSCREEN SCORE** | HAZARD TYPE  
**LYTHIC DENSIFIER** [ **UNDISCLOSED** **BM-4** **UNDISCLOSED** **LT-P1** | CAN ]

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

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

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

Does the product contain exempt VOCs: No

Are ultra-low VOC tints available: N/A

**CERTIFICATIONS AND COMPLIANCE** *See Section 3 for additional listings.*

VOC emissions: Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD

VOC emissions: CHPS High Performance Products Database - Low Emitting Material

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

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-01-03

PUBLISHED DATE: 2019-03-14

EXPIRY DATE: 2022-01-03



## 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, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### LYTHIC DENSIFIER

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.

#### UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-03

#: 60.0000 - 90.0000

GS: BM-4

RC: None

NANO: No

ROLE: Carrier Matrix

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Diluent/ Carrier

#### UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-03

#: 5.0000 - 25.0000

GS: LT-P1

RC: None

NANO: Yes

ROLE: Reactive Compound

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: The reported CAS number encompasses different physical states of the particular compound. The specific hazards listed on the HPD refer to a respirable form of the compound and is not applicable to the product described herein.

## 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

**Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD**

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-03-15**

EXPIRY DATE:

CERTIFIER OR LAB: **MAS Certified Green**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

<https://www.mascertifiedgreen.com/solomon>

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

### VOC EMISSIONS

**CHPS High Performance Products Database - Low Emitting Material**

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-07-08**

EXPIRY DATE: **2019-03-31**

CERTIFIER OR LAB: **MAS Certified Green**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Certificate available upon request**

### VOC CONTENT

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

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-03-15**

EXPIRY DATE:

CERTIFIER OR LAB: **none**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

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

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MANUFACTURER: **Solomon Colors, Inc.**  
ADDRESS: **4050 Color Plant Rd**  
**Springfield IL 62702, United States**  
WEBSITE: **www.lythic.com**

CONTACT NAME: **Thomas Collupy**  
TITLE: **Product Manager**  
PHONE: **800-624-0261**  
EMAIL: **info@solomoncolors.com**

## KEY

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**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet  
**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Hazard Types

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

### Recycled Types

**PreC** Preconsumer (Post-Industrial)  
**PostC** Postconsumer  
**Both** Both Preconsumer and Postconsumer  
**Unk** Inclusion of recycled content is unknown  
**None** Does not include recycled content

### Other Terms

#### Inventory Methods:

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*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.*