

HPD UNIQUE IDENTIFIER: 21424

CLASSIFICATION: 07 26 00 Vapor Retarders

PRODUCT DESCRIPTION: Stego Mastic is a medium-viscosity, water-based, polymer-modified anionic bituminous/asphaltic emulsion. It is designed to be used as a fluid-applied vapor retardant membrane in conjunction with Stego Wraps and has a VOC content of less than 16 grams/liter. Additional CSI MasterFormat designation: 03 30 00

## 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
- 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  
One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.

**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**

**STEGO MASTIC [ ASPHALT LT-1 | CAN WATER BM-4 STODDARD SOLVENT LT-1 | GEN | CAN | MAM | MUL ELASTOMERIC POLYMER Not Screened ADDITIVE 1 Not Screened ADDITIVE 2 Not Screened ADDITIVE 3 Not Screened ADDITIVE 4 Not Screened ]**

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1  
Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

\*\*\* Manufacturer has opted for the basic inventory display – chemical substances are listed by weight in the entire product instead of grouped by material. \*\*\* Substances that have not been screened by the Priority Hazards List have been researched by the supplier for potential health hazards. \*\*\* We have worked closely with our suppliers to ensure the least toxic ingredients are chosen while maintaining required performance characteristics. \*\*\* Based on the intended application of Stego Mastic, the product is considered an 'architectural sealant' per SCAQMD Rule 1168. The VOC content limit set by this regulatory standard for this category is 250 g/L. The VOC content of Stego Mastic should fall below 16 g/L. This calculation is based on the detailed accounting of VOC's utilized within the product.

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 16 Regulatory (g/l): 250  
Does the product contain exempt VOCs: No  
Are ultra-low VOC tints available: No

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

VOC emissions: N/A  
VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2020-08-14  
PUBLISHED DATE: 2020-08-14  
EXPIRY DATE: 2023-08-14



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

## STEGO MASTIC

PRODUCT THRESHOLD: Per GHS SDS

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals have not been quantified. Efforts are made to ensure that no undesired residuals or impurities remain in the final product, but no additional tests are undertaken to measure potential residual content.

OTHER PRODUCT NOTES: Variation in processing necessitates that a range of values be reported for this substance.

### ASPHALT

ID: 8052-42-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-08-14

#: 50.0000 - 65.0000

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Sealant

| HAZARD TYPE | AGENCY AND LIST TITLES            | WARNINGS   |
|-------------|-----------------------------------|--|
| CANCER      | IARC                              | Group 2b - Possibly carcinogenic to humans   |
| CANCER      | US CDC - Occupational Carcinogens | Occupational Carcinogen  |
| CANCER      | CA EPA - Prop 65                  | Carcinogen   |
| CANCER      | IARC                              | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources               |
| CANCER      | MAK                               | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |

SUBSTANCE NOTES: Variation in processing necessitates that a range of values be reported for this substance.

### WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-08-14

#: 20.0000 - 45.0000

GS: BM-4

RC: None

NANO: No

SUBSTANCE ROLE: Carrier

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

SUBSTANCE NOTES: Variation in processing necessitates that a range of values be reported for this substance.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-08-14**%: **0.0000 - 5.0000**GS: **LT-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Solvent**

| HAZARD TYPE    | AGENCY AND LIST TITLES                      | WARNINGS   |
|----------------|---|--|
| GENE MUTATION  | EU - GHS (H-Statements)                     | H340 - May cause genetic defects   |
| CANCER         | EU - GHS (H-Statements)                     | H350 - May cause cancer  |
| ORGAN TOXICANT | EU - GHS (H-Statements)                     | H372 - Causes damage to organs through prolonged or repeated exposure                          |
| CANCER         | EU - REACH Annex XVII CMRs                  | Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man |
| GENE MUTATION  | EU - REACH Annex XVII CMRs                  | Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man       |
| MULTIPLE       | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters   |
| CANCER         | EU - Annex VI CMRs                          | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence                          |
| GENE MUTATION  | EU - Annex VI CMRs                          | Mutagen - Category 1B  |
| MAMMALIAN      | EU - GHS (H-Statements)                     | H304 - May be fatal if swallowed and enters airways  |
| GENE MUTATION  | GHS - Malaysia                              | H340 - May cause genetic defects   |
| CANCER         | GHS - Malaysia                              | H350 - May cause cancer  |
| GENE MUTATION  | GHS - Australia                             | H340 - May cause genetic defects   |
| CANCER         | GHS - Australia                             | H350 - May cause cancer  |

SUBSTANCE NOTES: Variation in processing necessitates that a range of values be reported for this substance.

**ELASTOMERIC POLYMER**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-08-14**%: **0.0000 - 20.0000**GS: **Not Screened**RC: **None**NANO: **No**SUBSTANCE ROLE: **Polymer species**

| HAZARD TYPE | AGENCY AND LIST TITLES         | WARNINGS |
|-------------|--------------------------------|----------|
|             | Hazard Screening not performed |          |

SUBSTANCE NOTES: The supplier has only identified this substance as an elastomeric polymer due to the fact that it is a proprietary component of the product and it represents a Trade Secret. To the best of their knowledge and research, there are no known hazards or warnings associated with this material. Variation in processing necessitates that a range of values be reported for this substance.

**ADDITIVE 1**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 2.0000**

GS: **Not Screened**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: The supplier has only identified this substance as a rheology enhancer to the fact that it is a proprietary component of the product and it represents a Trade Secret. To the best of their knowledge and research, there are no known hazards or warnings associated with this material. Variation in processing necessitates that a range of values be reported for the mass percentage for this substance.

**ADDITIVE 2**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 1.0000**

GS: **Not Screened**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Emulsifier**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: The supplier has only identified this substance as an emulsifier due to the fact that it is a proprietary component of the product and it represents a Trade Secret. To the best of their knowledge and research, there are no known hazards or warnings associated with this material. Variation in processing necessitates that a range of values be reported for the mass percentage for this substance.

**ADDITIVE 3**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 1.0000**

GS: **Not Screened**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: The supplier has only identified this substance as a stabilizer due to the fact that it is a proprietary component of the product and it represents a Trade Secret. To the best of their knowledge and research, there are no known hazards or warnings associated with this material. Variation in processing necessitates that a range of values be reported for the mass percentage for this substance.

**ADDITIVE 4**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 1.0000**

GS: **Not Screened**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: The supplier has only identified this substance as a preservative due to the fact that it is a proprietary component of the product and it represents a Trade Secret. To the best of their knowledge and research, there are no known hazards or warnings associated with this material. Variation in processing necessitates that a range of values be reported for the mass percentage for this substance.



## 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

N/A

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE:

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **All**

**08-14**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **This is an exterior-applied product**

### VOC CONTENT

**EPA Method 24 - Volatile Matter Content (EPA 24)**

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-**

EXPIRY DATE:

CERTIFIER OR LAB: **Trade Secret**

APPLICABLE FACILITIES: **All**

**04-10**

**(Documentation Provided**

CERTIFICATE URL:

**Upon Request)**

CERTIFICATION AND COMPLIANCE NOTES:

## 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.

## Section 5: General Notes

\*\*\* Stego Industries ("Stego") officially embarked on its Footprint Project in June of 2014 to eliminate the carbon emissions of its business operations and help brand a culture of sustainability Stego has incorporated into its business model from the beginning. Our Stego Green Team, which includes every corporate department, is using life cycle thinking to review the impacts of our products and our operations. These ongoing efforts' ultimate goal is to create a comprehensive corporate sustainability report to demonstrate our commitment to the environment and improve our performance in key areas. We hope you will hold us accountable for the good of our planet so we can prove yellow is green. - See more at:

[http://www.stegoindustries.com/sustainability/stego\\_carbon\\_footprint\\_project.php#sthash.SFvID8k4.dpuf](http://www.stegoindustries.com/sustainability/stego_carbon_footprint_project.php#sthash.SFvID8k4.dpuf) \*\*\*

Before Stego codified its sustainability efforts under its Footprint project, we already led our industry in green initiatives - both on the projects we supplied our products to and in how we conducted our business operations. Stego proudly converted its corporate headquarters in sunny San Clemente, Calif. to a 100 percent solar powered facility in 2010. Each year, Stego's solar panels: produce approximately 55.7 megawatts of electricity, offset the equivalent of approximately three acres of trees, could power approximately 1,150 homes for one day. We also provide a number of offsets and incentives to our employees: we began offsetting carbon emissions from all business air travel in 2013 and we offer a vehicle purchase incentive for employees to upgrade their work-use vehicles to more fuel-efficient choices. \*\*\* Stego served as a Pilot Manufacturer in the Health Product Declaration Collaborative (HPDC), which was a step taken to help lead the charge towards standardized transparency of building products. More recently, Stego has also become a Supporter Level Sponsor and member of the

Manufacturer Advisory Panel (MAP) to further our support and involvement. Stego is also a member of the United States Green Building Council (USGBC) and we have sponsored the ABC Green Home since the project's inception in 2011. - See more at:

[http://www.stegoindustries.com/sustainability/footprint\\_project\\_achievements.php#sthash.hjwdNMFw.dpuf](http://www.stegoindustries.com/sustainability/footprint_project_achievements.php#sthash.hjwdNMFw.dpuf) \*\*\*

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**MANUFACTURER INFORMATION**

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**MANUFACTURER: Stego Industries, LLC**  
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**Suite 101**  
**San Clemente California 92672, USA**  
**WEBSITE:**  
**<https://www.stegoindustries.com/products/stego-mastic>**

**CONTACT NAME: Tom Marks CSI CDT LEED Green Associate**  
**TITLE: Sustainability Manager**  
**PHONE: (877) 464-7834**  
**EMAIL: [tommarks@stegoindustries.com](mailto:tommarks@stegoindustries.com)**

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

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**KEY**

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**Hazard Types**

|                                       |   |  |
|---------------------------------------|---|--|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <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>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |  |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |  |

**GreenScreen (GS)**

|   |  |
|---|--|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)   |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.) |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>NoGS</b> No GreenScreen.  |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          |  |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |  |
| <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)      |  |

**Recycled Types**

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms:**

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**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

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*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.*