

CLASSIFICATION: 07 26 16.00

created via: HPDC Online Builder

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 30 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
 Per OSHA MSDS
 Other

Residuals/Impurities

- Considered
 Partially Considered
 Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes No

Are All Substances Above the Threshold Indicated:

Characterized
Percent Weight and Role Provided? Yes No

Screened
Using Priority Hazard Lists with Results Disclosed? Yes No

Identified
Name and Identifier Provided? Yes No

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** | CAN | GEN | MAM | MUL ELASTOMERIC POLYMER **BM-U** ADDITIVE 1 **BM-U** ADDITIVE 2 **BM-U** ADDITIVE 3 **BM-U** ADDITIVE 4 **BM-U**]

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 30 g/L. This calculation is based on the detailed accounting of VOC's utilized within the product.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-08-17
PUBLISHED DATE: 2017-08-18
EXPIRY DATE: 2020-08-17

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

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

#: 50.0000 - 65.0000 GS: LT-1 RC: None NANO: No ROLE: Structure, Physical Character

HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	IARC Group 2b - Possibly carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens Occupational Carcinogen
CANCER	MAK Carcinogen Group 2 - Considered to be carcinogenic for man

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

WATER

ID: 7732-18-5

#: 20.0000 - 45.0000 GS: BM-4 RC: None NANO: No ROLE: Continuous Phase

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

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

STODDARD SOLVENT

ID: 8052-41-3

#: 0.0000 - 5.0000 GS: LT-1 RC: None NANO: No ROLE: Solvent

HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	EU - R-phrases R45 - May cause cancer
GENE MUTATION	EU - R-phrases R46 - May cause heritable genetic damage
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	Malaysia - GHS	H340 - May cause genetic defects
CANCER	Malaysia - GHS	H350 - May cause cancer
GENE MUTATION	Australia - GHS	H340 - May cause genetic defects
CANCER	Australia - GHS	H350 - May cause cancer

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

ELASTOMERIC POLYMER

ID: **Undisclosed**

#: **0.0000 - 20.0000** GS: **BM-U** RC: **None** NANO: **No** ROLE: **Strength, Elasticity**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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**

#: **0.0000 - 2.0000** GS: **BM-U** RC: **None** NANO: **No** ROLE: **Rheology Enhancer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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**

%: **0.0000 - 1.0000**

GS: **BM-U**

RC: **None**

NANO: **No**

ROLE: **Emulsifier**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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**

%: **0.0000 - 1.0000**

GS: **BM-U**

RC: **None**

NANO: **No**

ROLE: **Stabilizer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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**

%: **0.0000 - 1.0000**

GS: **BM-U**

RC: **None**

NANO: **No**

ROLE: **Preservative**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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.

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 *** 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 *** Stego, the stegosaurus design logo[s], Crete Claw, StegoTack, StegoCrawl, Beast, and the Beast design logo are all deemed to be registered and/or protectable trademarks or service marks of Stego Industries, LLC. © 2017 All rights reserved. Please visit <http://www.stegoindustries.com/legal/> for more information.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Stego Industries, LLC**

ADDRESS: **216 Avenida Fabricante**

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**

KEY

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

AQU Aquatic toxicity

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation

MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
PBT Persistent Bioaccumulative Toxic

REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
NoGS Unknown (no data on List Translator Lists)

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.