Pango® Tape
by Stego Technology, LLC

CLASSIFICATION: 31 31 16

PRODUCT DESCRIPTION: Pango Tape is a low-permeance tape designed for protective sealing, hanging, seaming, splicing, and patching applications where a highly conformable material is required. It has been engineered to bond specifically to Pango Wrap, making it ideal for sealing Pango Wrap seams and penetrations. Pango Tape is composed of polyethylene film and an acrylic, pressure-sensitive adhesive. Additional CSI MasterFormat Designations: 07 26 00, 03 30 00.

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 in 0 of 2 Materials
- Explanation(s) provided for Residuals/Impurities? [Yes] [No]

Are All Substances Above the Threshold Indicated:
- Characterized [Yes] [No]
- Percent Weight and Role Provided? [Yes] [No]
- Screened [Yes] [No]
- Using Priority Hazard Lists with Results Disclosed? [Yes] [No]
- Identified [Yes] [No]

Number of Greenscreen BM-4/BM3 contents: 0
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. *** We have worked closely with our suppliers to ensure the least toxic ingredients are chosen while maintaining required performance characteristics.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT
VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE
Other: National Green Building Standard 2012 (ICC 700)

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, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

PANGO™ TAPE/CLAW™ SUBSTRATE

<table>
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<tr>
<th>%: 55.0000 - 75.0000</th>
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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 MATERIAL NOTES: Variation in processing necessitates that a range of values be reported for this substance.

POLYETHYLENE

<table>
<thead>
<tr>
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<th>%: 79.0000 - 100.0000</th>
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GS: LT-UNK  RC: None  NANO: No  ROLE: Bulk polymer

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.

COPPER

<table>
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<tr>
<th>%: 0.0000 - 10.0000</th>
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GS: LT-UNK  RC: None  NANO: No  ROLE: Impart physical properties

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found  No warnings found on HPD Priority lists

SUBSTANCE NOTES: The additives utilized in Pango Wrap, which lend various properties to the final product during represent Trade Secrets. Therefore, neither the specific percentages of each additive (by weight), nor the exact components themselves, can currently be disclosed.

CARBON BLACK

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<th>%: 0.0000 - 6.0000</th>
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GS: LT-1  RC: None  NANO: No  ROLE: Impart physical properties

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER
- US CDC - Occupational Carcinogens  Occupational Carcinogen
- CA EPA - Prop 65  Carcinogen - specific to chemical form or exposure route
- IARC  Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
- MAK  Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: The additives utilized in Pango Tape, which lend various properties to the final product during represent Trade Secrets. Therefore, neither the specific percentages of each additive (by weight), nor the exact components themselves, can currently be disclosed.
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.

OTHER

National Green Building Standard 2012 (ICC 700)

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: N/A
CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: PANGO® TERMITE DEFENSE SYSTEM (PANGO WRAP, PANGO TAPE, AND PANGO CLAW) MANUFACTURED BY STEGO TECHNOLOGY, LLC HAS BEEN CERTIFIED FOR POINTS TOWARD NGBS GREEN CERTIFICATION TO THE ICC 700 NATIONAL GREEN BUILDING STANDARD AS DETAILED IN NGBS GREEN CERTIFIED PRODUCT REPORT #NGBSGCP-00267; CERTIFICATE #00267. Pango Wrap is Home Innovation NGBS Green Certified. Four points can be earned for the NGBS under Termite Barrier (602.1.5) where a continuous physical foundation termite barrier with low toxicity and no chemical treatments are installed in geographical areas with subterranean termite infestation potential. Pango Wrap is Safe for the Environment.**
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

Pango Wrap Termite/Vapor Barrier is a physical barrier against Formosan termites and moisture vapor. Through patented and trade secret processes, Pango Wrap combines uniquely designed barrier materials with the flexibility and strength of extruded, high-performance polyolefin film into an easy-to-install, physical barrier against subterranean termites. Pango Wrap comes from the creators of Stego Wrap Vapor Barrier, the most widely-specified below-slab vapor barrier in North America. Unlike chemical sprays that do nothing to prevent other contaminants from entering the building, Pango Wrap is a high performance vapor barrier as well as a termite defense barrier. Combining these two solutions in one product saves time and labor costs during construction. Pango Wrap is made from game-changing resin technology and provides high performance and longevity. Alternatively, chemical spray solutions must be re-applied to have a chance of being effective long-term against aggressive, subterranean termites. Such termiticides are known to dissipate in effectiveness over time. Pango Wrap provides a long-term solution and may allow builders to greatly reduce or eliminate the use of chemical termiticides for below-slab termite control. || Other applicable CSI MasterFormat Sections include 07 26 00 and 03 30 00 || "Stego Industries, LLC is the exclusive Representative for Pango™ Wrap and accessory products, which are produced for Stego Technology, LLC, a wholly independent company from Stego Industries, LLC. || "Stego-defined terms defined at www.stegoindustries.com/legal || 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. Pango, the pangolin logo, and Pango Claw are deemed to be registered and/or protectable trademarks of Stego Technology, LLC. © 2017 Stego Industries, LLC. All Rights Reserved. Installation, Warranty and State Approval Information: www.stegoindustries.com/legal.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Stego Technology, LLC
ADDRESS: 216 Avenida Fabricante Suite 101
San Clemente California 92672, USA
WEBSITE: https://www.stegoindustries.com/products/pango-wrap

CONTACT NAME: Ryan Goodwin
TITLE: Product Manager
PHONE: (877) 464-7834
EMAIL: ryangoodwin@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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
GLO Global warming
MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity
PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SK1 Skin sensitization/irritation/corrosivity

Pango Tape
www.hpd-collaborative.org
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.