

**HPD UNIQUE IDENTIFIER:** 20018896896

**CLASSIFICATION:** 06 16 26 Underlayment

**PRODUCT DESCRIPTION:** TRM Floor Underlayment (for wood & laminate) is a composite membrane of polyethylene backing and TRM Sealant Barrier, 40 mils in thickness with a ½" extended edge to provide a complete overlap seal at the edge. This elastomeric, self-adhesive barrier is wound on cores with a disposable silicone-coated release sheet which is removed immediately prior to application.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

|                                               |                                            |                                                               |                                                                                    |
|-----------------------------------------------|--------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Inventory Reporting Format</b>             | <b>Threshold Level</b>                     | <b>Residuals/Impurities Evaluation</b>                        | <i>For all contents above the threshold, the manufacturer has:</i>                 |
| <input type="radio"/> Nested Materials Method | <input type="radio"/> 100 ppm              | <input checked="" type="radio"/> Completed                    | <b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <input checked="" type="radio"/> Basic Method | <input checked="" type="radio"/> 1,000 ppm | <input type="radio"/> Partially Completed                     | <i>Provided weight and role.</i>                                                   |
| <b>Threshold Disclosed Per</b>                | <input type="radio"/> Per GHS SDS          | <input type="radio"/> Not Completed                           | <b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No      |
| <input type="radio"/> Material                | <input type="radio"/> Other                | <b>Explanation(s) provided :</b>                              | <i>Provided screening results using HPDC-approved methods.</i>                     |
| <input checked="" type="radio"/> Product      |                                            | <input checked="" type="radio"/> Yes <input type="radio"/> No | <b>Identified</b> <input checked="" type="radio"/> Yes <input type="radio"/> No    |
|                                               |                                            |                                                               | <i>Provided name and CAS RN or other identifier.</i>                               |

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.

**PRODUCT** | **MATERIAL OR SUBSTANCE** | *RESIDUAL OR IMPURITY*

**GREENSCREEN SCORE** | HAZARD TYPE

**TRM FLOORING UNDERLAYMENT (FOR WOOD & LAMINATE)** [ **ASPHALT / BITUMENS** **LT-1** | CAN | MAM | GEN **CALCIUM CARBONATE** **BM-3** | EYE **POLYETHYLENE** **LT-UNK** **STYRENE BUTADIENE RUBBER (SBR)** **LT-UNK** **BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE** **LT-UNK** **QUARTZ** **BM-1** | CAN | MAM | GEN ]

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-1, BM-1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Residuals found in raw materials used in this product are at levels less than 1000 ppm.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

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

VOC emissions: N/A

none: none

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

|                                     |                         |                            |
|-------------------------------------|-------------------------|----------------------------|
| Third Party Verified?               | PREPARER: Self-Prepared | SCREENING DATE: 2024-08-20 |
| <input type="radio"/> Yes           | VERIFIER:               | PUBLISHED DATE: 2024-11-27 |
| <input checked="" type="radio"/> No | VERIFICATION #:         | EXPIRY DATE: 2027-08-20    |

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 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

TRM FLOORING UNDERLAYMENT (FOR WOOD & LAMINATE)

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: VOC content data is not applicable for this product category.

OTHER PRODUCT NOTES: VOC content data is not applicable for this product category.

ASPHALT / BITUMENS

ID: 8052-42-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-08-20 6:28:26

%: 58.0000 - 63.0000

GreenScreen: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Binder

| HAZARD TYPE         | LIST NAME AND SOURCE              | WARNINGS                                                                                                                                                  |
|---------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                 | US CDC - Occupational Carcinogens | Occupational Carcinogen                                                                                                                                   |
| CAN                 | MAK                               | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                                                              |
| CAN                 | IARC                              | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources                                                                            |
| MAM                 | GHS - Japan                       | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |
| CAN                 | GHS - Japan                       | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| MAM                 | GHS - Japan                       | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| GEN                 | GHS - Japan                       | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE              | NOTIFICATION                                                                                                                                              |
| None found          |                                   | No listings found on Additional Hazard Lists                                                                                                              |

SUBSTANCE NOTES: Note this material is not in the molten stage, which generates hazardous asphalt fumes. This raw material is combined with styrenated polymers and fillers, then laminated to create a sheet layer of adhesive sealant which is applied to the structure at ambient temperatures. The finished product is applied, and functions during it's life time, at ambient temperatures.

CALCIUM CARBONATE

ID: 471-34-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-08-20 6:28:27

| HAZARD TYPE                                                                     | LIST NAME AND SOURCE | WARNINGS                                     |
|---------------------------------------------------------------------------------|----------------------|----------------------------------------------|
| EYE                                                                             | GHS - New Zealand    | Eye irritation category 2                    |
| ADDITIONAL LISTINGS                                                             | LIST NAME AND SOURCE | NOTIFICATION                                 |
| None found                                                                      |                      | No listings found on Additional Hazard Lists |
| SUBSTANCE NOTES: This raw material is an integral part of the finished product. |                      |                                              |

POLYETHYLENE

ID: 9002-88-4

|                                                                                 |                            |                                                |                                                  |                                            |
|---------------------------------------------------------------------------------|----------------------------|------------------------------------------------|--------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                |                            |                                                | HAZARD SCREENING DATE: <b>2024-08-20 6:28:27</b> |                                            |
| %: <b>10.0000 - 12.0000</b>                                                     | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                                     | LIST NAME AND SOURCE       | WARNINGS                                       |                                                  |                                            |
| None found                                                                      |                            | No warnings found on HPD Priority Hazard Lists |                                                  |                                            |
| ADDITIONAL LISTINGS                                                             | LIST NAME AND SOURCE       | NOTIFICATION                                   |                                                  |                                            |
| None found                                                                      |                            | No listings found on Additional Hazard Lists   |                                                  |                                            |
| SUBSTANCE NOTES: This raw material is an integral part of the finished product. |                            |                                                |                                                  |                                            |

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

|                                                                                 |                            |                 |                                                  |                                        |
|---------------------------------------------------------------------------------|----------------------------|-----------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                |                            |                 | HAZARD SCREENING DATE: <b>2024-08-20 6:28:27</b> |                                        |
| %: <b>3.0000 - 9.0000</b>                                                       | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Polymer species</b> |
| HAZARD TYPE                                                                     | LIST NAME AND SOURCE       |                 | WARNINGS                                         |                                        |
| None found                                                                      |                            |                 | No warnings found on HPD Priority Hazard Lists   |                                        |
| ADDITIONAL LISTINGS                                                             | LIST NAME AND SOURCE       |                 | NOTIFICATION                                     |                                        |
| None found                                                                      |                            |                 | No listings found on Additional Hazard Lists     |                                        |
| SUBSTANCE NOTES: This raw material is an integral part of the finished product. |                            |                 |                                                  |                                        |

BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE

ID: 25038-32-8

|                                                           |                     |          |                                           |                                 |
|-----------------------------------------------------------|---------------------|----------|-------------------------------------------|---------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     |          | HAZARD SCREENING DATE: 2024-08-20 6:28:27 |                                 |
| %: 3.0000 - 7.0000                                        | GreenScreen: LT-UNK | RC: None | NANO: No                                  | SUBSTANCE ROLE: Polymer species |

| HAZARD TYPE                                                                     | LIST NAME AND SOURCE | WARNINGS                                       |
|---------------------------------------------------------------------------------|----------------------|------------------------------------------------|
| None found                                                                      |                      | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS                                                             | LIST NAME AND SOURCE | NOTIFICATION                                   |
| None found                                                                      |                      | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES: This raw material is an integral part of the finished product. |                      |                                                |

QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-08-20 6:28:27

%: 0.1000 - 0.3600

GreenScreen: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Impurity/Residual

| HAZARD TYPE         | LIST NAME AND SOURCE              | WARNINGS                                                                                                                                                  |
|---------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                 | US CDC - Occupational Carcinogens | Occupational Carcinogen                                                                                                                                   |
| CAN                 | CA EPA - Prop 65                  | Carcinogen - specific to chemical form or exposure route                                                                                                  |
| CAN                 | US NIH - Report on Carcinogens    | Known to be Human Carcinogen (respirable size - occupational setting)                                                                                     |
| CAN                 | MAK                               | Carcinogen Group 1 - Substances that cause cancer in man                                                                                                  |
| CAN                 | IARC                              | Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources                                                                             |
| CAN                 | IARC                              | Group 1 - Agent is Carcinogenic to humans                                                                                                                 |
| CAN                 | US NIH - Report on Carcinogens    | Known to be a human Carcinogen                                                                                                                            |
| CAN                 | GHS - Japan                       | H350 - May cause cancer [Carcinogenicity - Category 1A]                                                                                                   |
| CAN                 | GHS - Australia                   | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]                                                                              |
| CAN                 | GHS - New Zealand                 | Carcinogenicity category 1                                                                                                                                |
| MAM                 | GHS - Japan                       | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| GEN                 | GHS - Japan                       | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |
| MAM                 | GHS - Australia                   | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| MAM                 | GHS - New Zealand                 | Specific target organ toxicity - repeated exposure category 1                                                                                             |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE              | NOTIFICATION                                                                                                                                              |
| None found          |                                   | No listings found on Additional Hazard Lists                                                                                                              |

SUBSTANCE NOTES: This raw material is an integral part of the finished product.

## 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<br>APPLICABLE FACILITIES: All<br>CERTIFICATE URL:                 | ISSUE DATE: 2021-04-14 00:00:00<br>EXPIRY DATE: | CERTIFIER OR LAB: None |
| CERTIFICATION AND COMPLIANCE NOTES: This material is a sheet membrane                             |                                                 |                        |
| NONE                                                                                              | none                                            |                        |
| CERTIFYING PARTY: Self-declared<br>APPLICABLE FACILITIES: All<br>CERTIFICATE URL:                 | ISSUE DATE: 2018-10-26 00:00:00<br>EXPIRY DATE: | CERTIFIER OR LAB: None |
| CERTIFICATION AND COMPLIANCE NOTES: VOC content data is not applicable for this product category. |                                                 |                        |

## 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.*

### 650 WB ADHESIVE

MANUFACTURER (OR GENERIC): **Polyguard Products**

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=polyguard>

ACCESSORY TYPE: Adhesive

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: All substrates must be prepared prior to application of membrane. Apply to a clean, dry, dust free, and frost-free surface. Apply by roller or brush. Apply the Polyguard® 650 WB Liquid Adhesive per manufacture directions. Allow to cure per manufacturer's directions.

### DETAIL SEALANT PW™

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=polyguard>

ACCESSORY TYPE: Other

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Detail Sealant PW™ is used to address the critical areas of terminations, transitions and penetrations. Polyguard Detail Sealant is a solvent free, non-isocyanate adhesive sealant which is low VOC/HAPS free.

### TRM SEALANT

MANUFACTURER (OR GENERIC): **Polyguard Products**

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=polyguard>

ACCESSORY TYPE: Other

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: TRM Sealant is used to seal on top of slab before framing occurs (a common termite entry point). It also seals overlaps, gaps, and penetrations where TRM membrane barriers are installed.

## Section 5: General Notes

Reviewed the SDS for all raw materials used in the production of this product. Performed calculations to determine the percentage of each component including the residuals and impurities. Only reported residuals or impurities that were above the 1000 ppm threshold.

## MANUFACTURER INFORMATION

MANUFACTURER: **Polyguard Products**  
ADDRESS: **3801 S I 45**  
**Ennis, TX 75119**  
COUNTRY: **US**

WEBSITE: **www.Polyguard.com**  
CONTACT NAME: **Chris Rogalski**  
TITLE: **Quality Mgr.**  
PHONE: **214-515-5000**  
EMAIL: **Polyguard@polyguard.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.*

## KEY

## 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-P1</b> List Translator Possible 1 (Possible Benchmark-1) |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)             |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>LT-UNK</b> List Translator Benchmark Unknown                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          | <b>NoGS</b> No GreenScreen.                                    |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |                                                                |

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

## 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

*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*

