

**HPD UNIQUE IDENTIFIER:** 26469216256

**CLASSIFICATION:** 07 81 00 Applied Fire Protection

**PRODUCT DESCRIPTION:** Ember Guard is an ASTM E84 Class A fire retardant. It is a clear, colorless penetrating formula applied to bare wood of any species with a two coat process. Ember Guard is permanent and needs no re-application. It has zero VOCs and forms a crystalline matrix within the wood cells that also permanently seals the wood from water absorption. According to the ASTM 84, Ember Guard also provides a zero smoke index, which is unique in the fire retardant industry.

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

| Inventory Reporting Format                                                                     | Threshold Level                                                                                                                                 | Residuals/Impurities Evaluation                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="radio"/> Nested Materials Method<br><input type="radio"/> Basic Method | <input checked="" type="radio"/> 100 ppm<br><input type="radio"/> 1,000 ppm<br><input type="radio"/> Per GHS SDS<br><input type="radio"/> Other | Completed in 1 of 1 Materials<br><br><b>Explanation(s) provided for Residuals/Impurities?</b><br><input checked="" type="radio"/> Yes <input type="radio"/> No | <i>For all contents above the threshold, the manufacturer has:</i><br><b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No<br><i>Provided weight and role.</i><br><b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No<br><i>Provided screening results using HPDC-approved methods.</i><br><b>Identified</b> <input type="radio"/> Yes <input checked="" type="radio"/> No<br><i>Provided name and CAS RN or other identifier.</i> |
| Threshold Disclosed Per                                                                        |                                                                                                                                                 |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="radio"/> Material<br><input type="radio"/> Product                     |                                                                                                                                                 |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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.

**NESTED MATERIAL** | **MATERIAL OR SUBSTANCE** | *RESIDUAL OR IMPURITY*

**GREENSCREEN SCORE** | HAZARD TYPE

**EMBER GUARD** [ **WATER** **BM-4** **UNDISCLOSED** **LT-P1** ] END | SKI | EYE ]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.3, and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished product, along with the role and percent weight.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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

Does the product contain exempt VOCs: No

Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

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

VOC emissions: CDPH Standard Method - Not tested

VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

ASTM E84-24a: Standard Test Method for Surface Burning Characteristics of Building Materials

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4 Option 2.

Pre-checked for LEED v4.1 Option 1.

|                                                                                           |                                                                |                                                                                     |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Third Party Verified?<br><input type="radio"/> Yes<br><input checked="" type="radio"/> No | PREPARER: Elixir Environmental<br>VERIFIER:<br>VERIFICATION #: | SCREENING DATE: 2025-06-24<br>PUBLISHED DATE: 2025-06-24<br>EXPIRY DATE: 2028-06-24 |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------|

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)

EMBER GUARD

%: 100.0000

|                             |                                                    |                                          |
|-----------------------------|----------------------------------------------------|------------------------------------------|
| MATERIAL THRESHOLD: 100 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Other: Inorganic Compound |
|-----------------------------|----------------------------------------------------|------------------------------------------|

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosures and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of substances reported as range to protect the proprietary nature of this formulation.

|                                                                                                        |                                              |                                                                                           |                                                   |                                |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                       |                                              |                                                                                           | HAZARD SCREENING DATE: <b>2025-06-24 11:37:46</b> |                                |
| %: <b>90.0000 - 99.0000</b>                                                                            | GreenScreen: <b>BM-4</b>                     | RC: <b>None</b>                                                                           | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Diluent</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                                                                              |                                                   |                                |
| EXEMPT                                                                                                 | European Union / European Commission (EU EC) | EU - REACH Exemptions<br><br>Exempted from REACH Annex IV listing due to intrinsic safety |                                                   |                                |
| SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-4 was provided by the HPD Builder Tool. |                                              |                                                                                           |                                                   |                                |

UNDISCLOSED

ID: **Undisclosed**

|                                                                                                                                                                                                 |                                       |                                                                                                      |                                                   |                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                                                |                                       |                                                                                                      | HAZARD SCREENING DATE: <b>2025-06-24 11:37:46</b> |                                        |
| %: <b>1.0000 - 10.0000</b>                                                                                                                                                                      | GreenScreen: <b>LT-P1</b>             | RC: <b>None</b>                                                                                      | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Flame retardant</b> |
| HAZARD TYPE                                                                                                                                                                                     | LIST NAME AND SOURCE                  | WARNINGS                                                                                             |                                                   |                                        |
| END                                                                                                                                                                                             | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor                                                                        |                                                   |                                        |
| SKI                                                                                                                                                                                             | GHS - New Zealand                     | Skin corrosion category 1C                                                                           |                                                   |                                        |
| EYE                                                                                                                                                                                             | GHS - New Zealand                     | Serious eye damage category 1                                                                        |                                                   |                                        |
| SKI                                                                                                                                                                                             | GHS - Australia                       | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] |                                                   |                                        |
| ADDITIONAL LISTINGS                                                                                                                                                                             | LIST NAME AND SOURCE                  | NOTIFICATION                                                                                         |                                                   |                                        |
| RESTRICTED LIST                                                                                                                                                                                 | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List                                                                |                                                   |                                        |
|                                                                                                                                                                                                 |                                       | Antimicrobials                                                                                       |                                                   |                                        |
| SUBSTANCE NOTES: Substance to remain undisclosed due to proprietary nature of formulation. Substance has been screened against HPD Priority Lists using the HPD Builder with results 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.

| VOC EMISSIONS                             | CDPH Standard Method - Not tested |                        |
|-------------------------------------------|-----------------------------------|------------------------|
| CERTIFYING PARTY: Self-declared           | ISSUE DATE: 2025-02-27 00:00:00   | CERTIFIER OR LAB: None |
| APPLICABLE FACILITIES: Portland, OR 97214 | EXPIRY DATE:                      |                        |
| CERTIFICATE URL:                          |                                   |                        |
| CERTIFICATION AND COMPLIANCE NOTES:       |                                   |                        |

| VOC CONTENT                               | EPA Method 24 - Volatile Matter Content (EPA 24)   |                       |
|-------------------------------------------|----------------------------------------------------|-----------------------|
| CERTIFYING PARTY: Self-declared           | ISSUE DATE: 2025-02-27 00:00:00                    | CERTIFIER OR LAB: N/A |
| APPLICABLE FACILITIES: Portland, OR 97214 | EXPIRY DATE:                                       |                       |
| CERTIFICATE URL:                          |                                                    |                       |
| CERTIFICATION AND COMPLIANCE NOTES:       | VOC Content stated as calculated from formulation. |                       |

| ASTM E84-24A                              | Standard Test Method for Surface Burning Characteristics of Building Materials                                     |                       |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------|
| CERTIFYING PARTY: Self-declared           | ISSUE DATE: 2025-04-18 00:00:00                                                                                    | CERTIFIER OR LAB: QAI |
| APPLICABLE FACILITIES: Portland, OR 97214 | EXPIRY DATE:                                                                                                       | Laboratories          |
| CERTIFICATE URL:                          |                                                                                                                    |                       |
| CERTIFICATION AND COMPLIANCE NOTES:       | When tested in accordance to ASTM E84-24a, the tested material resulted in a Class 'A', with zero smoke developed. |                       |

### 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

Timber Pro Coatings USA is located in Portland, Oregon. We have been manufacturing environmentally safe wood and concrete coatings and treatments since 1993. Timber Pro Coatings products are sold factory direct and can be sourced by contacting us directly at 888-888-6095 or ordered online via our website: TimberProCoatingsUSA.com

MANUFACTURER INFORMATION

MANUFACTURER: **Timber Pro Coatings**  
ADDRESS: **2232 E. Burnside Avenue**  
**Portland, OR 97214**  
COUNTRY: **USA**

WEBSITE: **<https://timberprocoatingsusa.com/>**  
CONTACT NAME: **Shari Steber**  
TITLE: **President**  
PHONE: **503-232-1705**  
EMAIL: **[shari@timberprocoatingsusa.com](mailto:shari@timberprocoatingsusa.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

|                                                     |
|-----------------------------------------------------|
| <b>PreC</b> Pre-consumer recycled content           |
| <b>PostC</b> Post-consumer recycled content         |
| <b>UNK</b> Inclusion of recycled content is unknown |
| <b>None</b> Does not include recycled content       |

Other Terms:

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

Inventory Methods:

|                                           |                                                                             |
|-------------------------------------------|-----------------------------------------------------------------------------|
| <b>Nested Method / Material Threshold</b> | Substances listed within each material per threshold indicated per material |
| <b>Nested Method / Product Threshold</b>  | Substances listed within each material per threshold indicated per product  |
| <b>Basic Method / Product Threshold</b>   | Substances listed individually per threshold indicated per product          |

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| <b>Nano</b>                  | Composed of nano scale particles or nanotechnology         |
| <b>Third Party Verified</b>  | Verification by independent certifier approved by HPDC     |
| <b>Preparer</b>              | Third party preparer, if not self-prepared by manufacturer |
| <b>Applicable facilities</b> | 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*

