

HPD UNIQUE IDENTIFIER: 427884125184

CLASSIFICATION: 07 84 13 Penetration Firestopping

PRODUCT DESCRIPTION: SpecSeal® Wrap Strips are highly flexible, elastomeric strips designed to firestop combustible penetrations in fire-rated floors, floor/ceilings, and walls. Convenient 12' (3.7 m) rolls, or individually sized strips facilitate installation and minimize waste. These products utilize STI's fast responding intumescent technology, providing very responsive and highly directionalized expansion. Rapid expansion provides quick closure for burning combustible penetrants. When exposed to temperatures in excess of 250°F (121°C), the SpecSeal® Wrap Strip begins to expand (intumesce) rapidly to form a dense, highly insulative char. Free expansion varies according to the grade utilized (See Table A). Expansion continues up to temperatures of 1,000°F (538°C).

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 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 checked="" 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 type="radio"/> Yes <input checked="" 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**

**SPECSEAL® SERIES SSW RED2 INTUMESCENT WRAP STRIP [**

**UNDISCLOSED** **LT-UNK** **GRAPHITE** **LT-UNK** **UNDISCLOSED** **NoGS**

**METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)** **LT-UNK** | CAN |

**RES | SKI | EYE | MAM** **2,2'-BIS-6-TERC.BUTYL-P-KRESYLMETHAN**

**BM-1** | END | REP | MUL | EYE **POLYMERIC MDI (PMDI)** **LT-UNK** | CAN

| RES | EYE | SKI | MAM ]

Number of Greenscreen BM-4/BM3 contents ... 0

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

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

None.

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

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

|                                     |                         |                            |
|-------------------------------------|-------------------------|----------------------------|
| Third Party Verified?               | PREPARER: Self-Prepared | SCREENING DATE: 2025-07-10 |
| <input type="radio"/> Yes           | VERIFIER:               | PUBLISHED DATE: 2025-07-10 |
| <input checked="" type="radio"/> No | VERIFICATION #:         | EXPIRY DATE: 2028-07-10    |

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)

SPECSEAL® SERIES SSW RED2 INTUMESCENT WRAP STRIP

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

RESIDUALS AND IMPURITIES NOTES: There are no residuals in this product.

OTHER PRODUCT NOTES: There are no residuals in this product.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-07-10 6:02:16

%: 30.0000 - 50.0000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Binder

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 material is part of the binder in the product.

GRAPHITE

ID: 7782-42-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-07-10 6:02:16

%: 35.0000 - 50.0000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Intumescent

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 material is the intumescent in the product.

UNDISCLOSED

ID: Undisclosed

|                                                                           |                          |                 |                                                  |                                    |
|---------------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>          |                          |                 | HAZARD SCREENING DATE: <b>2025-07-10 6:02:16</b> |                                    |
| %: <b>15.0000 - 30.0000</b>                                               | GreenScreen: <b>NoGS</b> | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Plasticizer</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 material is part of the plasticizer in the product. |                          |                 |                                                  |                                    |

METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)

ID: 101-68-8

|                                                                  |                                           |                 |                                                                                                                                                           |                               |
|------------------------------------------------------------------|-------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           |                 | HAZARD SCREENING DATE: <b>2025-07-10 6:02:17</b>                                                                                                          |                               |
| %: <b>1.0000 - 4.0000</b>                                        | GreenScreen: <b>LT-UNK</b>                | RC: <b>None</b> | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Binder</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                      |                 | WARNINGS                                                                                                                                                  |                               |
| CAN                                                              | MAK                                       |                 | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |                               |
| RES                                                              | MAK                                       |                 | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |                               |
| SKI                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 |                 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |                               |
| EYE                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 |                 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |                               |
| CAN                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 |                 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |                               |
| SKI                                                              | GHS - New Zealand                         |                 | Skin irritation category 2                                                                                                                                |                               |
| EYE                                                              | GHS - New Zealand                         |                 | Eye irritation category 2                                                                                                                                 |                               |
| SKI                                                              | GHS - Australia                           |                 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |                               |
| EYE                                                              | GHS - Australia                           |                 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |                               |
| CAN                                                              | GHS - New Zealand                         |                 | 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] |                               |
| 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                                                                                             |                               |
| MAM                                                              | GHS - Japan                               |                 | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |                               |

|                                                             |                                                          |                                                                                                                                   |
|-------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| CAN                                                         | EU - Annex VI CMRs                                       | Carcinogen Category 2 - Suspected human Carcinogen                                                                                |
| SKI                                                         | GHS - Japan                                              | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                          |
| SKI                                                         | GHS - New Zealand                                        | Skin sensitisation category 1                                                                                                     |
| MAM                                                         | GHS - New Zealand                                        | Acute inhalation toxicity category 2                                                                                              |
| EYE                                                         | GHS - Korea                                              | H319 - Causes serious eye irritation [Serious eye damage/irritation - Category 2]                                                 |
| SKI                                                         | GHS - Korea                                              | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                            |
| MAM                                                         | Québec CSST - WHMIS 1988                                 | Class D1A - Very toxic material causing immediate and serious toxic effects                                                       |
| MAM                                                         | GHS - Australia                                          | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                           |
| MAM                                                         | GHS - Japan                                              | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                    |
| CAN                                                         | GHS - Australia                                          | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                 |
| MAM                                                         | GHS - Korea                                              | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                           |
| ADDITIONAL LISTINGS                                         | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                      |
| RESTRICTED LIST                                             | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                        |
| RESTRICTED LIST                                             | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products          |
| RESTRICTED LIST                                             | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products |
| RESTRICTED LIST                                             | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                            |
| RESTRICTED LIST                                             | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products    |
| SUBSTANCE NOTES: This is part of the binder in the product. |                                                          |                                                                                                                                   |

%: **0.5000 - 1.5000**

GreenScreen: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Antioxidant**

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                      |
|---------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors                    | Potential Endocrine Disruptor                                                                 |
| REP                 | EU - Annex VI CMRs                                       | Reproductive Toxicity - Category 1B                                                           |
| MUL                 | ChemSec - SIN List                                       | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                          |
| MUL                 | German FEA - Substances Hazardous to Waters              | Class 3 - Severe Hazard to Waters                                                             |
| REP                 | GHS - Japan                                              | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]         |
| REP                 | GHS - Australia                                          | H360F - May damage fertility [Reproductive toxicity - Category 1A or 1B]                      |
| REP                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H360F - May damage fertility [Reproductive toxicity - Category 1A or 1B]                      |
| EYE                 | GHS - New Zealand                                        | Eye irritation category 2                                                                     |
| REP                 | GHS - New Zealand                                        | Reproductive toxicity category 2                                                              |
| REP                 | EU - SVHC List                                           | Toxic to reproduction - Candidate list                                                        |
| REP                 | EU - REACH Annex XVII CMRs                               | Reproductive toxicants: Category 1B                                                           |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                     |                                                          | Children's Products                                                                           |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                     |                                                          | Formulated Consumer Products                                                                  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025            |
|                     |                                                          | All Products                                                                                  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025            |
|                     |                                                          | Cosmetics and Personal Care Products                                                          |

SUBSTANCE NOTES: This material is the antioxidant in the product.

**POLYMERIC MDI (PMDI)**

ID: **9016-87-9**

%: **0.5000 - 1.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                                  |
|---------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                 | MAK                                                      | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |
| RES                 | MAK                                                      | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |
| EYE                 | GHS - New Zealand                                        | Eye irritation category 2                                                                                                                                 |
| SKI                 | GHS - Australia                                          | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| EYE                 | GHS - Australia                                          | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| 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] |
| 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                                                                                             |
| MAM                 | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| MAM                 | GHS - New Zealand                                        | Acute inhalation toxicity category 2                                                                                                                      |
| MAM                 | Québec CSST - WHMIS 1988                                 | Class D1A - Very toxic material causing immediate and serious toxic effects                                                                               |
| MAM                 | GHS - Australia                                          | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                                   |
| MAM                 | GHS - Japan                                              | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                                            |
| CAN                 | GHS - Australia                                          | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products                         |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                                                    |

SUBSTANCE NOTES: This material is part of the binder in the 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                                                                                                                                                                                     | ISSUE DATE:  | CERTIFIER OR |
| APPLICABLE FACILITIES: All.                                                                                                                                                                                         | 2017-07-12   | LAB: Self-   |
| CERTIFICATE URL:                                                                                                                                                                                                    | 00:00:00     | declared.    |
| <a href="https://files.stifirestop.com/5.%20Safety%20Data%20Sheets/1.%20English/SDS_RED2%20Wrap%20Strip.pdf">https://files.stifirestop.com/5.%20Safety%20Data%20Sheets/1.%20English/SDS_RED2%20Wrap%20Strip.pdf</a> | EXPIRY DATE: |              |
| CERTIFICATION AND COMPLIANCE NOTES: Not applicable. Not a wet applied product or type of insulation. See SDS under Certificate URL.                                                                                 |              |              |

### 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

**Applications**

SpecSeal® Wrap Strips are used for firestopping combustible penetrants such as nonmetallic pipes or pipe insulation. Installations were developed for both “tuck-in” applications (where strips are secured around the penetrant and slid into the opening) and restraining collar assemblies (for surface mounting). For larger openings or complex penetrant configurations, systems were developed utilizing wrap strips in conjunction with other SpecSeal® products.

SpecSeal® Wrap Strips are suitable for use in all common forms of construction including concrete floors, concrete over steel deck, concrete walls, concrete block walls, gypsum board/stud walls, and wood floor/ceiling assemblies.

**Specifications**

The wrap strip material shall be a highly flexible, intumescent material. The wrap strip shall contain no water soluble expansion ingredients and provide a minimum of 16x free expansion. The intumescent wrap strip shall be faced on each side with plastic.

The specified material shall be approved for a wide range of applications including combustible and noncombustible penetrants when used by itself or in combination with other products from the same manufacturer. The wrap strip shall be UL Certified and tested to the requirements of ASTM E814 (UL 1479), CAN/ULC S115.

**Specified Divisions**

Division 7 07 84 13 Penetration Firestopping

Division 22 22 00 00 Plumbing

**Performance**

SpecSeal® Wrap Strips are the basis for systems that meet the exacting criteria of ASTM E814 (UL 1479), CAN/ULC S115. Systems were tested for all common forms of construction and penetrants with ratings up to 4 hours (dependent upon grade of wrap strip utilized).

**Features & Benefits**

- Rapid Expansion: Closes off burning penetrants faster.
- High Volume Char: Significant expansion seals off opening!
- Water-Resistant: No soluble or hygroscopic ingredients.
- Economical: 12' (3.7 m) rolls or precut strips means no piecing...less waste!
- Highly Flexible: No foil...soft...supple...easier to install!
- Versatile: Performer for a wide range of complex applications.

## MANUFACTURER INFORMATION

MANUFACTURER: **Specified Technologies Inc.**  
ADDRESS: **210 Evans Way**  
**Somerville, NJ 08876**  
COUNTRY: **United States**

WEBSITE: **www.stifirestop.com**  
CONTACT NAME: **George Gornick, LEED Green Associate**  
TITLE: **Applications Engineer**  
PHONE: **800-992-1180, Ext. 1013**  
EMAIL: **ggornick@stifirestop.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*

