

HPD UNIQUE IDENTIFIER: 29361

CLASSIFICATION: 09 96 00 High-Performance Coatings

PRODUCT DESCRIPTION: MONOCHEM 21 is a 2-component, 100% solids, high-build, liquid applied, Polyamine, Cyclo-Aliphatic Epoxy. MONOCHEM 21 is available in high gloss, clear, standard colors and can be mixed with decorative chips, color micas, or silica sand. It is designed as a high performance primer, base coat or interior top coat.

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 type="radio"/> 1,000 ppm              | <input type="radio"/> Partially Completed                     | <i>Provided weight and role.</i>                                                   |
| <b>Threshold Disclosed Per</b>                | <input checked="" 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 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

MONOCHEM 21 [ ARALDITE B LT-P1 | END BENZYL ALCOHOL BM-2 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, COMPD. WITH 2-AMINO-2-METHYL-1-PROPANOL NoGS TITANIUM DIOXIDE LT-1 | CAN | END TRIMETHYLOLPROPANE TRIACRYLATE LT-P1 | SKI | CAN | RES | MUL | EYE ALKYL (C12, C14) GLYCIDYL ETHER LT-P1 | MUL | SKI AROMATIC NAPHTHA, TYPE 1 LT-1 | END | CAN | MUL | GEN | MAM DIISOBUTYL KETONE LT-UNK ]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 10Regulatory (g/l): 10

Does the product contain exempt VOCs: No

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

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: ASTM D5116

VOC content: ASTM D6886-14e1

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

|                                     |                         |                            |
|-------------------------------------|-------------------------|----------------------------|
| Third Party Verified?               | PREPARER: Self-Prepared | SCREENING DATE: 2022-03-14 |
| <input type="radio"/> Yes           | VERIFIER:               | PUBLISHED DATE: 2022-07-25 |
| <input checked="" type="radio"/> No | VERIFICATION #:         | EXPIRY DATE: 2025-03-14    |

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)

MONOCHEM 21

|                                                                                 |                                    |                                                   |                                                                                       |                        |
|---------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|------------------------|
| PRODUCT THRESHOLD: Per GHS SDS                                                  |                                    | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No |                                                                                       |                        |
| RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities to report. |                                    |                                                   |                                                                                       |                        |
| OTHER PRODUCT NOTES:                                                            |                                    |                                                   |                                                                                       |                        |
| ARALDITE B                                                                      |                                    |                                                   | ID: 25085-99-8                                                                        |                        |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                       |                                    | HAZARD SCREENING DATE: 2022-03-14 15:34:45        |                                                                                       |                        |
| %: 54.0000 - 60.0000                                                            | GreenScreen: LT-P1                 | RC: None                                          | NANO: No                                                                              | SUBSTANCE ROLE: Binder |
| HAZARD TYPE                                                                     | AGENCY AND LIST TITLES             |                                                   | WARNINGS                                                                              |                        |
| END                                                                             | EU - Priority Endocrine Disruptors |                                                   | Category 2 - In vitro evidence of biological activity related to Endocrine Disruption |                        |
| ADDITIONAL LISTINGS                                                             | AGENCY AND LIST TITLES             |                                                   | NOTIFICATION                                                                          |                        |
| None found                                                                      |                                    |                                                   | No listings found on Additional Hazard Lists                                          |                        |
| SUBSTANCE NOTES: Liquid Epoxy Resin - Bisphenyl A                               |                                    |                                                   |                                                                                       |                        |
| Clear Formulation: 60%                                                          |                                    |                                                   |                                                                                       |                        |
| White Base: 54%                                                                 |                                    |                                                   |                                                                                       |                        |

|                                                           |                        |          |                                                |                             |              |
|-----------------------------------------------------------|------------------------|----------|------------------------------------------------|-----------------------------|--------------|
| BENZYL ALCOHOL                                            |                        |          |                                                |                             | ID: 100-51-6 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                        |          | HAZARD SCREENING DATE: 2022-03-23 13:55:21     |                             |              |
| %: 7.0000 - 17.0000                                       | GreenScreen: BM-2      | RC: None | NANO: No                                       | SUBSTANCE ROLE: Accelerator |              |
| HAZARD TYPE                                               | AGENCY AND LIST TITLES |          | WARNINGS                                       |                             |              |
| None found                                                |                        |          | No warnings found on HPD Priority Hazard Lists |                             |              |
| ADDITIONAL LISTINGS                                       | AGENCY AND LIST TITLES |          | NOTIFICATION                                   |                             |              |
| None found                                                |                        |          | No listings found on Additional Hazard Lists   |                             |              |
| SUBSTANCE NOTES:                                          |                        |          |                                                |                             |              |

|                                                                                                  |  |                                            |  |                |
|--------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|----------------|
| 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, COMPD. WITH 2-AMINO-2-METHYL-1-PROPANOL |  |                                            |  | ID: 68128-58-5 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                        |  | HAZARD SCREENING DATE: 2022-03-23 13:56:36 |  |                |

|                                                              |                        |          |                                                |                              |
|--------------------------------------------------------------|------------------------|----------|------------------------------------------------|------------------------------|
| %: 7.0000 - 17.0000                                          | GreenScreen: NoGS      | RC: None | NANO: No                                       | SUBSTANCE ROLE: Curing agent |
| HAZARD TYPE                                                  | AGENCY AND LIST TITLES |          | WARNINGS                                       |                              |
| None found                                                   |                        |          | No warnings found on HPD Priority Hazard Lists |                              |
| ADDITIONAL LISTINGS                                          | AGENCY AND LIST TITLES |          | NOTIFICATION                                   |                              |
| None found                                                   |                        |          | No listings found on Additional Hazard Lists   |                              |
| SUBSTANCE NOTES: Cycloaliphatic amine curing agent component |                        |          |                                                |                              |

TITANIUM DIOXIDE

ID: 13463-67-7

|                                                                  |                                           |                                                   |                                                                                                      |                                |
|------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           | HAZARD SCREENING DATE: <b>2022-03-23 14:02:11</b> |                                                                                                      |                                |
| %: <b>8.0000 - 12.0000</b>                                       | GreenScreen: <b>LT-1</b>                  | RC: <b>None</b>                                   | NANO: <b>No</b>                                                                                      | SUBSTANCE ROLE: <b>Pigment</b> |
| HAZARD TYPE                                                      | AGENCY AND LIST TITLES                    |                                                   | WARNINGS                                                                                             |                                |
| CAN                                                              | US CDC - Occupational Carcinogens         |                                                   | Occupational Carcinogen                                                                              |                                |
| CAN                                                              | CA EPA - Prop 65                          |                                                   | Carcinogen - specific to chemical form or exposure route                                             |                                |
| CAN                                                              | IARC                                      |                                                   | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources                       |                                |
| CAN                                                              | MAK                                       |                                                   | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value |                                |
| END                                                              | TEDX - Potential Endocrine Disruptors     |                                                   | Potential Endocrine Disruptor                                                                        |                                |
| CAN                                                              | MAK                                       |                                                   | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                     |                                |
| CAN                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 |                                                   | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                    |                                |
| ADDITIONAL LISTINGS                                              | AGENCY AND LIST TITLES                    |                                                   | NOTIFICATION                                                                                         |                                |
| None found                                                       |                                           |                                                   | No listings found on Additional Hazard Lists                                                         |                                |
| SUBSTANCE NOTES: Ingredient used in the White Base at ~10%       |                                           |                                                   |                                                                                                      |                                |

TRIMETHYLOLPROPANE TRIACRYLATE

ID: 15625-89-5

|                                                           |                    |                                            |          |                         |
|-----------------------------------------------------------|--------------------|--------------------------------------------|----------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    | HAZARD SCREENING DATE: 2022-03-14 15:38:59 |          |                         |
| %: 7.0000 - 10.0000                                       | GreenScreen: LT-P1 | RC: None                                   | NANO: No | SUBSTANCE ROLE: Diluent |

| HAZARD TYPE                                                                                                                                             | AGENCY AND LIST TITLES                      | WARNINGS                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------|
| SKI                                                                                                                                                     | MAK                                         | Sensitizing Substance Sh - Danger of skin sensitization                                |
| CAN                                                                                                                                                     | IARC                                        | Group 2b - Possibly carcinogenic to humans                                             |
| RES                                                                                                                                                     | AOEC - Asthmagens                           | Asthmagen (Rs) - sensitizer-induced                                                    |
| MUL                                                                                                                                                     | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                             |
| SKI                                                                                                                                                     | EU - GHS (H-Statements) Annex 6 Table 3-1   | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |
| SKI                                                                                                                                                     | EU - GHS (H-Statements) Annex 6 Table 3-1   | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]           |
| EYE                                                                                                                                                     | EU - GHS (H-Statements) Annex 6 Table 3-1   | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| ADDITIONAL LISTINGS                                                                                                                                     | AGENCY AND LIST TITLES                      | NOTIFICATION                                                                           |
| None found                                                                                                                                              |                                             | No listings found on Additional Hazard Lists                                           |
| SUBSTANCE NOTES: acrylate functional diluents<br>improved adhesion, hardness, chemical resistance & thermal resistance properties as compared to TPGDA. |                                             |                                                                                        |

ALKYL (C12, C14) GLYCIDYL ETHER

ID: 68609-97-2

|                                                                  |                                             |                                                   |                                                                              |                                |
|------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             | HAZARD SCREENING DATE: <b>2022-03-14 15:35:41</b> |                                                                              |                                |
| %: <b>2.0000 - 4.0000</b>                                        | GreenScreen: <b>LT-P1</b>                   | RC: <b>None</b>                                   | NANO: <b>No</b>                                                              | SUBSTANCE ROLE: <b>Diluent</b> |
| HAZARD TYPE                                                      | AGENCY AND LIST TITLES                      |                                                   | WARNINGS                                                                     |                                |
| MUL                                                              | German FEA - Substances Hazardous to Waters |                                                   | Class 2 - Hazard to Waters                                                   |                                |
| SKI                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1   |                                                   | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]       |                                |
| SKI                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1   |                                                   | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |                                |
| ADDITIONAL LISTINGS                                              | AGENCY AND LIST TITLES                      |                                                   | NOTIFICATION                                                                 |                                |
| None found                                                       |                                             |                                                   | No listings found on Additional Hazard Lists                                 |                                |
| SUBSTANCE NOTES: Diluent                                         |                                             |                                                   |                                                                              |                                |

AROMATIC NAPHTHA, TYPE 1

ID: 64742-95-6

|                                                           |                   |                                            |          |                            |
|-----------------------------------------------------------|-------------------|--------------------------------------------|----------|----------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2022-03-14 15:40:13 |          |                            |
| %: 0.5000 - 1.0000                                        | GreenScreen: LT-1 | RC: None                                   | NANO: No | SUBSTANCE ROLE: Surfactant |

| HAZARD TYPE         | AGENCY AND LIST TITLES                      | WARNINGS                                                                                       |
|---------------------|---------------------------------------------|------------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                  |
| CAN                 | EU - REACH Annex XVII CMRs                  | Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man |
| CAN                 | EU - Annex VI CMRs                          | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence                          |
| MUL                 | ChemSec - SIN List                          | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                           |
| MUL                 | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                              |
| GEN                 | EU - REACH Annex XVII CMRs                  | Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man       |
| GEN                 | EU - Annex VI CMRs                          | Mutagen - Category 1B                                                                          |
| CAN                 | GHS - Australia                             | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]                                  |
| GEN                 | GHS - Australia                             | H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]                  |
| CAN                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]                                  |
| MAM                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]           |
| GEN                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]                  |
| ADDITIONAL LISTINGS | AGENCY AND LIST TITLES                      | NOTIFICATION                                                                                   |
| None found          |                                             | No listings found on Additional Hazard Lists                                                   |

SUBSTANCE NOTES: Acrylic Leveling Additives with Air Release Properties

DIISOBUTYL KETONEID: 108-83-8

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                        | HAZARD SCREENING DATE: 2022-03-14 15:40:57     |          |                            |
|-----------------------------------------------------------|------------------------|------------------------------------------------|----------|----------------------------|
| %: 0.0400 - 0.1000                                        | GreenScreen: LT-UNK    | RC: None                                       | NANO: No | SUBSTANCE ROLE: Surfactant |
| HAZARD TYPE                                               | AGENCY AND LIST TITLES | WARNINGS                                       |          |                            |
| None found                                                |                        | No warnings found on HPD Priority Hazard Lists |          |                            |
| ADDITIONAL LISTINGS                                       | AGENCY AND LIST TITLES | NOTIFICATION                                   |          |                            |
| None found                                                |                        | No listings found on Additional Hazard Lists   |          |                            |

SUBSTANCE NOTES: Acrylic Leveling Additives with Air Release Properties

## 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                                                        | ASTM D5116              |                                         |
|----------------------------------------------------------------------|-------------------------|-----------------------------------------|
| CERTIFYING PARTY: Self-declared                                      | ISSUE DATE: 2022-03-16  | CERTIFIER OR LAB: Monopole In House Lab |
| APPLICABLE FACILITIES: Monopole Facility                             | EXPIRY DATE: 2024-03-16 |                                         |
| CERTIFICATE URL:                                                     |                         |                                         |
| CERTIFICATION AND COMPLIANCE NOTES: This test has not been completed |                         |                                         |

| VOC CONTENT                                                                 | ASTM D6886-14e1         |                                         |
|-----------------------------------------------------------------------------|-------------------------|-----------------------------------------|
| CERTIFYING PARTY: Self-declared                                             | ISSUE DATE: 2022-03-16  | CERTIFIER OR LAB: Monopole In House Lab |
| APPLICABLE FACILITIES: Monopole Facility                                    | EXPIRY DATE: 2024-03-16 |                                         |
| CERTIFICATE URL:                                                            |                         |                                         |
| CERTIFICATION AND COMPLIANCE NOTES: Material (g/l): 10 Regulatory (g/l): 10 |                         |                                         |

## 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.*

|                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PERMASHIELD 200                                                                                                                                                                                                                                            |
| MANUFACTURER (OR GENERIC): Monopole, Inc.                                                                                                                                                                                                                  |
| HPD URL: <a href="https://secureservercdn.net/72.167.241.180/029.1eb.myftpupload.com/wp-content/uploads/2020/07/Permashield_200.pdf">https://secureservercdn.net/72.167.241.180/029.1eb.myftpupload.com/wp-content/uploads/2020/07/Permashield_200.pdf</a> |
| ACCESSORY TYPE:                                                                                                                                                                                                                                            |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Monochem 21 is a high performance primer that should be used prior to the application of Permashield 200 topcoat for floors.                                                                    |

|                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------|
| MONOCHEM 21 COLORS                                                                                                    |
| MANUFACTURER (OR GENERIC): Monopole, Inc.                                                                             |
| HPD URL: No HPD Available                                                                                             |
| ACCESSORY TYPE: Maintenance Product                                                                                   |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Monochem 21 Epoxy Primer is available in clear and colors. |

## Section 5: General Notes

MONOCHEM 21 can be used as an epoxy primer with all the MONOCHEM decking systems. MONOCHEM 21 can be pigmented to any color or used in combination with color quartz, paint chips, micas or light aggregates. It may also be used over almost all water, oil, solvent, alkyd base, coatings or stains.

MONOCHEM 21 is also ideal for top-coating unknown coatings, glazed, sealed and very smooth non-porous surfaces. MONOCHEM 21 can be applied on concrete, prepared metal (non ferrous), wood, glass, reinforced plastics, polyurethane elastomeric coatings, glazed surfaces and many other non porous substrates maximizing the adhesion between the substrate and top coat.

MONOCHEM 21 as a FINISH COAT: It is also a very durable coating that is recommended for protecting and dust-proofing interior concrete floors in warehouses, manufacturing plants, residential/industrial garages, mechanical rooms and commercial kitchens where seamless, chemically resistant floors are desired. MONOCHEM 21 is not UV stable and must be topcoated with a pigmented coating if exposed to UV.

## MANUFACTURER INFORMATION

**MANUFACTURER:** Monopole, Inc.  
**ADDRESS:** 4661 Alger Street  
 Los Angeles CA 90039, United States  
**WEBSITE:** [www.monopoleinc.com](http://www.monopoleinc.com)

**CONTACT NAME:** Angela Wooddell  
**TITLE:** Leed Administrator  
**PHONE:** 18185008585  
**EMAIL:** [angela@monopoleinc.com](mailto:angela@monopoleinc.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 for compliance with the HPD standard noted.*