

HPD UNIQUE IDENTIFIER: 3159769226240

CLASSIFICATION: 09 65 19 Resilient Tile Flooring

**PRODUCT DESCRIPTION:** Construction: Forbo Marmoleum Cinch LOC SEAL has a 2.5 mm thick top layer of Marmoleum, which is made from natural ingredients including linseed oil, rosin binders, wood flour, limestone and dry pigments which are mixed and then calendared onto a natural jute backing. The Marmoleum is adhered to a 6.8 mm thick HDF panel with a 1.0 mm thick cork backing. The Marmoleum is coated with Forbo Topshield – Topshield is a high-performance finish. Its double UV cured double layer technology delivers extraordinary performance and clear and vibrant colors that remain over time. Topshield creates a ‘ready to use’ Marmoleum that requires no initial maintenance or polymer application. The surface can be repaired or refreshed in cases of accidents or after years of intensive use. Dimensions: Panel - 11.81" x 35.43" (300 mm x 900 mm); Square - 11.81" x 11.81" (300 mm x 300 mm); Thickness - 3/8" (9.8 mm); Base Material - HDF Panel Board; Packaging - Panels: 7 per carton - 20.3 FT2 (1.89 M2); Squares: 7 per carton - 6.7 FT2 (0.63 M2).

**Section 1: Summary**

**Basic Method / Product Threshold**

**CONTENT INVENTORY**

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

**MARMOLEUM CINCH LOC SEAL** | HDF (HIGH DENSITY FIBREBOARD) **LT-UNK** | WOOD FLOUR (LIGNIN) **NoGS** | LINSEED OIL **NoGS** | WOOD FLOUR (HEMICELLULOSE) **NoGS** | LIMESTONE (CALCIUM CARBONATE) **BM-3dg** | RECYCLED FORBO LINOLEUM SCRAP **NoGS** | JUTE (LIGNIN) **NoGS** | JUTE (PECTIN) **LT-UNK** | JUTE (HEMICELLULOSE) **NoGS** | CORK SHEET BINDER **LT-UNK** | CORK SHEET **NoGS** | GUM ROSIN **LT-P1** | SKI | MAM | AQU | REP | RES | POLYURETHANE BASED ADHESIVE (2,4'-DIPHENYLMETHANE DIISOCYANATE) **LT-UNK** | SKI | EYE | CAN | MAM | POLYURETHANE BASED ADHESIVE (4,4'-DIPHENYLMETHANE DIISOCYANATE) **LT-UNK** | CAN | RES | SKI | EYE | MAM | BLUE PS 5.1-87 **BM-3** | TITANIUM DIOXIDE **BM-1\*** | CAN | END | MAM | ZINC OXIDE **BM-1** | END | MUL | AQU | MAM | REP | MAGNESIUM OXIDE **BM-3dg** | CAN | MAM | TOPSHIELD PRO (URETHANE ACRYLATE) **NoGS** | TOPSHIELD PRO (POLYESTER ACRYLATE) **LT-UNK**

Number of Greenscreen BM-4/BM3 contents ... 4  
 Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, BM-1  
 Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 1,000 ppm] threshold to act as antimicrobials.

Percentage (%) ranges for ingredients are used as a means of keeping the exact formulations proprietary.

\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

**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: ClearChem Standard BkA-CC-01.3  
 VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2025-01-30

PUBLISHED DATE: 2025-01-30

EXPIRY DATE: 2028-01-30

## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

### MARMOLEUM CINCH LOC SEAL

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected to be present in the product at or above the reporting threshold.

OTHER PRODUCT NOTES:

#### HDF (HIGH DENSITY FIBREBOARD)

ID: 9003-08-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-01-30 10:17:14**

#: **60.0000 - 64.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Intermediate**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

RESTRICTED LIST

International Living Future Institute (ILFI)

Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2024

Red List substances to avoid in Living Building Challenge V4.0 projects

RESTRICTED LIST

Cradle to Cradle Products Innovation Institute (C2CPII)

C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024

All Products

SUBSTANCE NOTES:

#### WOOD FLOUR (LIGNIN)

ID: 9005-53-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-01-30 10:17:14**

#: **0.0000 - 10.0000**

GreenScreen: **NoGS**

RC: **PreC**

NANO: **No**

SUBSTANCE ROLE: **Filler**

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: Wood flour is a pre-consumer recycled bio-based waste product.

**LINSEED OIL**

ID: 8001-26-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-01-30 10:17:15**

#: **7.0000 - 10.0000** GreenScreen: **NoGS** 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:

**WOOD FLOUR (HEMICELLULOSE)**

ID: 9034-32-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-01-30 10:17:15**

#: **0.0000 - 10.0000** GreenScreen: **NoGS** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Filler**

| 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: Wood flour is a pre-consumer recycled bio-based waste product.

**LIMESTONE (CALCIUM CARBONATE)**

ID: 1317-65-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-01-30 10:17:16**

#: **6.0000 - 7.0000** GreenScreen: **BM-3dg** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

| 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:

**RECYCLED FORBO LINOLEUM SCRAP**

ID: **8001-26-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-01-30 10:17:14**

%: **0.0000 - 5.0000**

GreenScreen: **NoGS**

RC: **Both**

NANO: **No**

SUBSTANCE ROLE: **Filler**

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: Scrap closed-loop recycled Marmoleum is used as an additional filler in the production of new Marmoleum. Sourced internally (pre-consumer) or globally (post-consumer from logistics, installation, and End Of Life\*).

**JUTE (LIGNIN)**

ID: **9005-53-2**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-01-30 10:17:14**

%: **0.0000 - 3.0000**

GreenScreen: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Carrier**

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:

**JUTE (PECTIN)**

ID: **9000-69-5**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-01-30 10:17:15**

%: **0.0000 - 3.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Carrier**

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:

**JUTE (HEMICELLULOSE)**

ID: 9034-32-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2025-01-30 10:17:15**%: **0.0000 - 3.0000**GreenScreen: **NoGS**RC: **None**NANO: **No**SUBSTANCE ROLE: **Carrier**

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:

**CORK SHEET BINDER**

ID: 112898-48-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2025-01-30 10:17:16**%: **0.0000 - 2.7000**GreenScreen: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Carrier**

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:

**CORK SHEET**

ID: 61789-98-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2025-01-30 10:17:17**%: **0.0000 - 2.7000**GreenScreen: **NoGS**RC: **None**NANO: **No**SUBSTANCE ROLE: **Carrier**

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:

**GUM ROSIN**

ID: 8050-09-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2025-01-30 10:17:17**%: **1.0000 - 2.0000**GreenScreen: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Binder**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS   |
|-------------|----------------------|--|
| SKI         | MAK                  | Sensitizing Substance Sh - Danger of skin sensitization  |
| MAM         | GHS - Japan          | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                    |
| SKI         | GHS - New Zealand    | Skin sensitisation category 1  |
| AQU         | GHS - New Zealand    | Hazardous to the aquatic environment - chronic category 2  |
| REP         | GHS - Japan          | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                            |
| AQU         | GHS - Japan          | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                                   |
| AQU         | GHS - Japan          | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]       |
| RES         | GHS - Japan          | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1A] |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|--|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES:

**POLYURETHANE BASED ADHESIVE (2,4'-DIPHENYLMETHANE DIISOCYANATE)**

ID: 5873-54-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-01-30 10:17:18**

%: **0.0000 - 1.9000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Adhesive**

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS  |
|---------------------|--|---|
| 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 - 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]  |
| MAM                 | GHS - Australia  | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |
| CAN                 | EU - Annex VI CMRs                                       | Carcinogen Category 2 - Suspected human Carcinogen  |
| MAM                 | GHS - Australia  | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 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>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, 2024<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, 2024<br><br>Cosmetics and Personal Care Products          |

SUBSTANCE NOTES:

**POLYURETHANE BASED ADHESIVE (4,4'-DIPHENYLMETHANE DIISOCYANATE)**

ID: **101-68-8**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-01-30 10:17:19**

%: **0.0000 - 1.9000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Adhesive**



| 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 (C2CP11) | 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 (C2CP11) | 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 (C2CP11) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024<br><br>All Products                            |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP11) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024<br><br>Cosmetics and Personal Care Products    |

SUBSTANCE NOTES:

**IOX YELLOW 02**

ID: 51274-00-1

|  |                            |   |                 |                                |
|--|----------------------------|---|-----------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2025-01-30 10:17:19</b> |                 |                                |
| %: <b>0.0000 - 1.6500 ALT</b>                                    | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</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: ALTERNATE: This substance is an alternate substance to BLUE PS 5.1-87.

\*\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

**BLUE PS 5.1-87**

ID: 147-14-8

|  |                          |   |                 |                                |
|--|--------------------------|---|-----------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2025-01-30 10:17:17</b> |                 |                                |
| %: <b>0.0000 - 1.6500</b>  | GreenScreen: <b>BM-3</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</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   |
| POSITIVE LIST       | US Environmental Protection Agency (US EPA)             | US EPA - DfE Safer Chemicals Ingredients list (SCIL)<br>Colorants - Green Circle (Verified Low Concern)                    |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP11) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024<br>Cosmetics and Personal Care Products |

SUBSTANCE NOTES:

## TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-01-30 10:17:18**

%: **0.0000 - 1.6500** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS  |
|-------------|---|---|
| CAN         | US CDC - Occupational Carcinogens         | Occupational Carcinogen**   |
| CAN         | CA EPA - Prop 65                          | Carcinogen - specific to chemical form or exposure route**  |
| CAN         | 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         | IARC                                      | Group 2b - Possibly carcinogenic to humans**  |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**   |
| 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]** |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION  |
|---------------------|---|---|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP11) | 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 (C2CP11) | 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 (C2CP11) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products |
| POSITIVE LIST       | US Environmental Protection Agency (US EPA)             | US EPA - DfE Safer Chemicals Ingredients list (SCIL)<br><br>Colorants - Green Circle (Verified Low Concern)                             |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP11) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024<br><br>Cosmetics and Personal Care Products          |

SUBSTANCE NOTES: \*\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

## ZINC OXIDE

ID: 1314-13-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-01-30 10:17:18**

#: **0.0000 - 1.6500**

GreenScreen: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS   |
|---------------------|--|--|
| END                 | TEDX - Potential Endocrine Disruptors                    | Potential Endocrine Disruptor  |
| MUL                 | German FEA - Substances Hazardous to Waters              | Class 3 - Severe Hazard to Waters  |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]  |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                              |
| MAM                 | GHS - Japan  | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                       |
| AQU                 | GHS - New Zealand  | Hazardous to the aquatic environment - acute category 1  |
| AQU                 | GHS - Japan  | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]  |
| AQU                 | GHS - Japan  | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                              |
| AQU                 | GHS - Australia  | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                              |
| AQU                 | GHS - New Zealand  | Hazardous to the aquatic environment - chronic category 1  |
| REP                 | GHS - Japan  | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]  |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION   |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>Antimicrobials  |
| 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>Biological and Environmentally Released Materials |
| 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 v4.1 Product Standard Restricted Substances - Effective July 1, 2024<br><br>Children's Toy Products                                      |

SUBSTANCE NOTES:

%: **0.0000 - 1.6500**GreenScreen: **BM-3dg**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS  |
|---------------------|----------------------|---|
| CAN                 | MAK                  | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                        |
| MAM                 | GHS - Japan          | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION  |
| None found          |                      | No listings found on Additional Hazard Lists  |
| SUBSTANCE NOTES:    |                      |   |

**CARBON BLACK PEARLS 120**ID: **1333-86-4**%: **0.0000 - 1.6500 ALT**GreenScreen: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE         | LIST NAME AND SOURCE              | WARNINGS  |
|---------------------|-----------------------------------|---|
| CAN                 | US CDC - Occupational Carcinogens | Occupational Carcinogen**   |
| CAN                 | MAK                               | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**  |
| CAN                 | CA EPA - Prop 65                  | Carcinogen - specific to chemical form or exposure route**  |
| CAN                 | IARC                              | Group 2b - Possibly carcinogenic to humans**  |
| EYE                 | GHS - New Zealand                 | Eye irritation category 2**   |
| CAN                 | GHS - New Zealand                 | Carcinogenicity category 2**  |
| 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]** |
| PHY                 | GHS - Japan                       | H251 - Self-heating;; may catch fire [Self-heating substances and mixtures - Category 1]**  |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE              | NOTIFICATION  |
| None found          |                                   | No listings found on Additional Hazard Lists  |

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to BLUE PS 5.1-87.

\*\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-01-30 10:17:17**%: **0.0000 - 1.6500 ALT** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS   |
|---------------------|---|--|
| EYE                 | GHS - New Zealand                                       | Eye irritation category 2  |
| AQU                 | GHS - New Zealand                                       | Hazardous to the aquatic environment - chronic category 3  |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions |

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to BLUE PS 5.1-87.

**BLACK PJ3013**

ID: 1317-61-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-01-30 10:17:17**%: **0.0000 - 1.6500 ALT** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS   |
|---------------------|----------------------|--|
| CAN                 | MAK                  | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification** |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION   |
| None found          |                      | No listings found on Additional Hazard Lists   |

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to BLUE PS 5.1-87.

\*\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

**OMNICOLOR-ORANGE DW23132006-PN**

ID: 15793-73-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-01-30 10:17:18**%: **0.0000 - 1.6500 ALT** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                   |
|-------------|---|----------------------------|
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION   |
|---------------------|---|--|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions |

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to BLUE PS 5.1-87.

**RED 147008-C20**

ID: **2786-76-7**

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2025-01-30 10:17:18</b> |                 |                                |
|--|----------------------------|---|-----------------|--------------------------------|
| %: <b>0.0000 - 1.6500 ALT</b>                                    | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</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: ALTERNATE: This substance is an alternate substance to BLUE PS 5.1-87.

**CROMOPHTAL RED K 3830 C20**

ID: **57971-99-0**

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |   | HAZARD SCREENING DATE: <b>2025-01-30 10:17:19</b>  |                 |                                |
|--|---|--|-----------------|--------------------------------|
| %: <b>0.0000 - 1.6500 ALT</b>                                    | GreenScreen: <b>LT-UNK</b>                              | RC: <b>None</b>  | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</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   |                 |                                |
| RESTRICTED LIST  | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions |                 |                                |

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to BLUE PS 5.1-87.

**IRGALITE RED K 4170 FP C20**

ID: **7023-61-2**

|  |                            |   |                 |                                |
|--|----------------------------|---|-----------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2025-01-30 10:17:20</b> |                 |                                |
| %: <b>0.0000 - 1.6500 ALT</b>                                    | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</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: ALTERNATE: This substance is an alternate substance to BLUE PS 5.1-87. |                      |  |

**BAYFERROX RED 130**

ID: 1309-37-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-01-30 10:17:20**

%: **0.0000 - 1.6500 ALT** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS  |
|---------------------|----------------------|---|
| CAN                 | MAK                  | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**  |
| 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 - Japan          | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]**  |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION  |
| None found          |                      | No listings found on Additional Hazard Lists  |

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to BLUE PS 5.1-87.

\*\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

**YELLOW 132026**

ID: 77804-81-0

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-01-30 10:17:21**

%: **0.0000 - 1.6500 ALT** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| 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: ALTERNATE: This substance is an alternate substance to BLUE PS 5.1-87. |                      |  |

|   |   |  |                 |                                |
|---|---|--|-----------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                        |   | HAZARD SCREENING DATE: <b>2025-01-30 10:17:21</b>  |                 |                                |
| %: <b>0.0000 - 1.6500 ALT</b>   | GreenScreen: <b>BM-3</b>                                | RC: <b>None</b>  | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</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   |                 |                                |
| POSITIVE LIST   | US Environmental Protection Agency (US EPA)             | US EPA - DfE Safer Chemicals Ingredients list (SCIL)<br>Colorants - Green Circle (Verified Low Concern)                    |                 |                                |
| RESTRICTED LIST   | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024<br>Cosmetics and Personal Care Products |                 |                                |
| SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to BLUE PS 5.1-87. |   |  |                 |                                |

**TOPSHIELD PRO (URETHANE ACRYLATE)**

|  |                          |   |                 |                                |
|--|--------------------------|---|-----------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2025-01-30 10:17:22</b> |                 |                                |
| %: <b>0.0000 - 0.3300</b>  | GreenScreen: <b>NoGS</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</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:   |                          |   |                 |                                |

**TOPSHIELD PRO (POLYESTER ACRYLATE)**

|  |                            |   |                 |                                |
|--|----------------------------|---|-----------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2025-01-30 10:17:20</b> |                 |                                |
| %: <b>0.0000 - 0.3300</b>  | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</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:   |                            |   |                 |                                |



## 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

#### ClearChem Standard BkA-CC-01.3

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2024-06-20 00:00:00

CERTIFIER OR LAB: Berkeley

APPLICABLE FACILITIES: Classroom and Office

EXPIRY DATE: 2025-07-20 00:00:00

Analytical

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

### VOC EMISSIONS

#### CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: Third Party

ISSUE DATE: 2022-07-20 00:00:00

CERTIFIER OR LAB: Berkeley

APPLICABLE FACILITIES: Classroom and Office

EXPIRY DATE: 2025-07-20 00:00:00

Analytical

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

## 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.

### READY TO USE NEUTRAL PH CLEANER

MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available

ACCESSORY TYPE: Cleaning Product

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Ready to Use Neutral Cleaner is a recommended cleaning product for use with Forbo Marmoleum Cinch LOC SEAL.

### READY TO USE RESIDENTIAL FLOOR FINISH

MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available

ACCESSORY TYPE: Maintenance Product

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Ready to Use Residential Floor Finish is a recommended maintenance product for use with Forbo Marmoleum Cinch LOC SEAL.

### READY TO USE RESIDENTIAL FLOOR FINISH REMOVER

MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available

ACCESSORY TYPE: Cleaning Product

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Ready to Use Residential Floor Finish Remover is a recommended cleaning product for use with Forbo Marmoleum Cinch LOC SEAL.

### FORBO MARMOWELD ETU

MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

HPD URL: No HPD Available

ACCESSORY TYPE: Maintenance Product

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Marmoweld ETU is a color matching paste weld which can also be used to make minor repairs in Forbo Marmoleum products. Refer to Forbo's Marmoweld ETU Technical Data Sheet for full installation recommendations and requirements.

## FORBO NEUTRAL PH CLEANER

MANUFACTURER (OR GENERIC): **Forbo Flooring Systems**

---

HPD URL: No HPD Available

ACCESSORY TYPE: Cleaning Product

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Forbo Neutral pH Cleaner is a recommended cleaning product for use with Forbo Marmoleum Cinch LOC SEAL in light commercial applications only.

## Section 5: General Notes

Marmoleum Cinch LOC SEAL contains no Isocyanates.

**MANUFACTURER INFORMATION**

MANUFACTURER: **Forbo Flooring Systems**  
 ADDRESS: **8 Maplewood Drive**  
**Hazleton, PA 18202**  
 COUNTRY: **United States**

WEBSITE: **www.forboflooringNA.com**  
 CONTACT NAME: **Jeff Miller**  
 TITLE: **Sustainability & Documentation Administrator**  
 PHONE: **5704500319**  
 EMAIL: **jeff.miller@forbo.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*

