



HPD UNIQUE IDENTIFIER: 241447979008  
CLASSIFICATION: 10 71 13 Exterior Sun Control Devices  
PRODUCT DESCRIPTION: ILI's sunshades are assemblies of aluminum extrusions, fastened with stainless steel fasteners and finished with a factory-applied PVDF finish. As the products are custom-sized, we have selected a typical sample size for purposes of this disclosure document. This HPD is based on an assembly with 6" airfoil blades and 1/4" x 6" outriggers.

Section 1: SummaryNested Method / Product Threshold

CONTENT INVENTORY

| Inventory Reporting Format                               | Threshold Level                          | Residuals/Impurities Evaluation                               | For all contents above the threshold, the manufacturer has:                        |
|----------------------------------------------------------|------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------|
| <input checked="" type="radio"/> Nested Materials Method | <input checked="" type="radio"/> 100 ppm | Completed in 4 of 4 Materials                                 | <b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <input type="radio"/> Basic Method                       | <input type="radio"/> 1,000 ppm          | <b>Explanation(s) provided for Residuals/Impurities?</b>      | <i>Provided weight and role.</i>                                                   |
| <b>Threshold Disclosed Per</b>                           | <input type="radio"/> Per GHS SDS        | <input checked="" type="radio"/> Yes <input type="radio"/> No | <b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No      |
| <input type="radio"/> Material                           | <input type="radio"/> Other              |                                                               | <i>Provided screening results using HPDC-approved methods.</i>                     |
| <input checked="" type="radio"/> Product                 |                                          |                                                               | <b>Identified</b> <input type="radio"/> Yes <input checked="" type="radio"/> No    |
|                                                          |                                          |                                                               | <i>Provided name and CAS RN or other identifier.</i>                               |

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

6063 ALUMINUM EXTRUSION [ UNS A96063 ALUMINUM ALLOY NoGS PHOSPHORIC ACID LT-P1 ] SKI | MAM | EYE ] 6061 ALUMINUM FLAT BAR [ UNS A96061 ALUMINUM ALLOY NoGS ] FLUROPON PURE - EXTRUSION [ POLYVINYLIDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER) LT-UNK CHROMIUM IRON OXIDE LT-P1 ] SKI HEMATITE, CHROMIUM GREEN BLACK LT-UNK NICKEL RUTILE YELLOW LT-1 ] CAN FERRIC OXIDE BM-1 ] CAN | MAM CHROMIUM (III) OXIDE BM-1 ] SKI | MAM C.I. PIGMENT GREEN 50 LT-1 ] CAN | RES | GEN C.I. PIGMENT BLACK 28 LT-UNK RUTILE, ANTIMONY CHROMIUM BUFF BM-1 C.I. PIGMENT BLUE 28 LT-1 ] CAN | RES | GEN TITANIUM DIOXIDE BM-1 ] CAN | END | MAM C.I. PIGMENT BLUE 36 LT-1 ] CAN | RES | GEN BISMUTH VANADIUM TETRAOXIDE BM-1 ] MUL IRON HYDROXIDE OXIDE YELLOW LT-UNK ACRYLIC RESIN NoGS 2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE BM-2 ] END | AQU BARIUM SULFATE BM-2 ] CAN | MAM 5,12-DIHYDROQUINO(2,3-B)ACRIDINE-7,14-DIONE LT-UNK 5,12-DIHYDROQUINO(2,3-B)ACRIDINE-7,14-DIONE LT-UNK CARBON BLACK BM-1 ] CAN | EYE | MAM | PHY PYRROLO[3,4-C]PYRROLE-1,4-DIONE,3,6-BIS(4-CHLOROPHENYL)-2,5-DIHYDRO- LT-UNK PHTHALOCYANINE GREEN LT-UNK C.I. PIGMENT BLUE 15 BM-3 ACRYLIC-MELAMINE RESIN NoGS TRIPHOSPHORIC ACID, ALUMINUM SALT LT-UNK ALUMINA TRIHYDRATE BM-2 ] SKI | EYE SILICA, AMORPHOUS BM-1 ] CAN | MAM STRONTIUM CARBONATE LT-UNK 2-(2-BUTOXYETHOXY)ETHANOL LT-P1 ] END | EYE | MAM ALUMINIUM HYDROXIDE OXIDE LT-UNK ZINC 5-NITROISOPHTHALATE LT-UNK WOLLASTONITE LT-UNK CELLULOSE ACETATE BUTANOATE, AVERAGE MOLECULAR WEIGHT 15000 - 65000 G/MOL LT-UNK MOLYBDATE (MOO42#-), CALCIUM (1:1), (T-4)- LT-UNK FUMED SILICA, CRYSTALLINE-FREE BM-1 ] 18-8 TYPE 304 STAINLESS FASTENERS [ 304 STAINLESS

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

INVENTORY AND SCREENING NOTES:

Residual materials were considered separately. Possible residuals include a pre-wash and pre-treatment for aluminum extrusions. The first of these is rinsed off prior to painting. The second is diluted. Residuals may be present below 100ppm, but any residual material would also be encapsulated under the coating. Sunshades are custom products. A typical sunshade was used for the purpose of this HPD. Substances and materials are the same regardless of configuration. Likewise, all colors have been included. Pigments are included as possible materials in minimum to maximum possible ranges. Identified is marked No because the aluminum alloys used do not have a registered CASRN. Since the CASRN system does not apply to metal alloys, the Unified Numbering System (UNS) alloy number is used as an alternative substance identifier as allowed in the HPD Standard. Therefore, Identified should be marked Yes but the HPDC Builder does not allow this change to occur.

\*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: Inherently non-emitting source per LEED  
Ingredient: ILFI Declare - Declared  
: Environmental Product Declaration (EPD) by NSF

**CONSISTENCY WITH OTHER PROGRAMS**  
Pre-checked for LEED v4 Option 1.  
Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

- ☒ Yes
- ☐ No

PREPARER: Self-Prepared  
VERIFIER: WAP Sustainability Consulting  
VERIFICATION #: zPr-3415

SCREENING DATE: 2024-03-18  
PUBLISHED DATE: 2024-03-18  
EXPIRY DATE: 2027-03-18

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)

|                                                                                                                                                                                                                                                                                                |  |                                                    |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|----------------------|
| 6063 ALUMINUM EXTRUSION                                                                                                                                                                                                                                                                        |  | %: 88.2351 - 88.2351                               |                      |
| PRODUCT THRESHOLD: 100 ppm                                                                                                                                                                                                                                                                     |  | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: Aluminum extrusions are washed and pre-treated before painted. Residuals are added as separate material ingredients.                                                                                                                                           |  |                                                    |                      |
| OTHER MATERIAL NOTES: 6063 aluminum extrusions are used for sunshade blades and fascia. In compliance with HPDC Special Conditions Policy for Metal Alloys, the listed alloy is considered the ingredient in this product and is reported without information regarding its alloying elements. |  |                                                    |                      |

|                                                                                                                                                                                                                                                                                |                          |                 |                                                   |                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------|---------------------------------------------------|--------------------------------------------|
| UNS A96063 ALUMINUM ALLOY                                                                                                                                                                                                                                                      |                          |                 |                                                   | ID: <b>Not registered</b>                  |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                                                                                                                               |                          |                 | HAZARD SCREENING DATE: <b>2024-03-18 14:14:00</b> |                                            |
| %: <b>100.0000 - 100.0000</b>                                                                                                                                                                                                                                                  | GreenScreen: <b>NoGS</b> | RC: <b>Both</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                                                                                                                                                                                                                                    | LIST NAME AND SOURCE     |                 | WARNINGS                                          |                                            |
| None found                                                                                                                                                                                                                                                                     |                          |                 | No warnings found on HPD Priority Hazard Lists    |                                            |
| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                            | LIST NAME AND SOURCE     |                 | NOTIFICATION                                      |                                            |
| None found                                                                                                                                                                                                                                                                     |                          |                 | No listings found on Additional Hazard Lists      |                                            |
| SUBSTANCE NOTES: Potential residuals for the aluminum extrusions include pre-wash and pre-treat chemicals that ensure paint adhesion. The maximum amount of residual material was considered and is less than 100ppm. Residuals present would be encapsulated in cured finish. |                          |                 |                                                   |                                            |
| Pre- and post-consumer recycled content sourced from beverage containers, industrial scrap, among other sources as well as virgin material.                                                                                                                                    |                          |                 |                                                   |                                            |
| Since the aluminum alloy does not utilize the CAS RN system, the Unified Numbering System (UNS) alloy number is used as an alternative substance identifier as allowed in the HPD Standard.                                                                                    |                          |                 |                                                   |                                            |

|                                                           |                    |          |                                            |                                   |
|-----------------------------------------------------------|--------------------|----------|--------------------------------------------|-----------------------------------|
| PHOSPHORIC ACID                                           |                    |          | ID: 7664-38-2                              |                                   |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    |          | HAZARD SCREENING DATE: 2024-03-18 14:14:00 |                                   |
| %: 0.0000 - 0.0001                                        | GreenScreen: LT-P1 | RC: None | NANO: No                                   | SUBSTANCE ROLE: Impurity/Residual |

| HAZARD TYPE         | LIST NAME AND SOURCE                      | WARNINGS                                                                                                         |
|---------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]             |
| MAM                 | GHS - Japan                               | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] |
| EYE                 | GHS - Japan                               | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]                              |
| SKI                 | GHS - Japan                               | H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]                        |
| SKI                 | GHS - Australia                           | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]             |
| MAM                 | GHS - Japan                               | H331 - Toxic if inhaled [Acute toxicity (inhalation: dust, mist) - Category 3]                                   |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                      | NOTIFICATION                                                                                                     |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)     | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                      |

SUBSTANCE NOTES: This substance is used to clean aluminum extrusions, it is then rinsed off and any residual encapsulated in final coating.

6061 ALUMINUM FLAT BAR

%: 10.7659 - 10.7659

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities from wash and pre-treatment process are included as substances.

OTHER MATERIAL NOTES: 6061 aluminum is used for sunshade outriggers. In compliance with HPDC Special Conditions Policy for Metal Alloys, the listed alloy is considered the ingredient in this product and is reported without information regarding its alloying elements.

|                                                           |                      |                                                |                                            |                                     |
|-----------------------------------------------------------|----------------------|------------------------------------------------|--------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |                                                | HAZARD SCREENING DATE: 2024-03-18 14:14:01 |                                     |
| %: 100.0000 - 100.0000                                    | GreenScreen: NoGS    | RC: Both                                       | NANO: No                                   | SUBSTANCE ROLE: Structure component |
| 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: Potential residuals for the aluminum extrusions include pre-wash and pre-treat chemicals that ensure paint adhesion. The maximum amount of residual material was considered and is less than 100ppm. Residuals present would be encapsulated in cured finish.

Pre- and post-consumer recycled content sourced from beverage containers, industrial scrap, among other sources as well as virgin material.

Since the aluminum alloy does not utilize the CAS RN system, the Unified Numbering System (UNS) alloy number is used as an alternative substance identifier as allowed in the HPD Standard.

FLUROPON PURE - EXTRUSION

%: 0.9531 - 0.9531

PRODUCT THRESHOLD: 100 ppm    RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes    MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Material Notes: Fluropon Pure Extrusion Coating System. HPD represents the coating system as applied after curing/baking including 732X1023FP primer and Fluropon Pure topcoat. This HPD represents all possible topcoat colors. Pigments may or may not be present in any one given color. • The total coating system weight as applied on the metal substrate is 0.017lbs/ft2.

OTHER MATERIAL NOTES: The pigments included in this HPD include thousands of possible colors, and include all standard and most custom colors.

POLYVINYLDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER)

ID: 24937-79-9

|                                                           |                      |                                                |                                            |                                 |
|-----------------------------------------------------------|----------------------|------------------------------------------------|--------------------------------------------|---------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |                                                | HAZARD SCREENING DATE: 2024-03-18 14:14:01 |                                 |
| %: 26.9400 - 32.9300                                      | GreenScreen: LT-UNK  | RC: None                                       | NANO: No                                   | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                       |                                            |                                 |
| None found                                                |                      | No warnings found on HPD Priority Hazard Lists |                                            |                                 |

| ADDITIONAL LISTINGS                                                     | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                                               |
|-------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                         | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                                 |
| RESTRICTED LIST                                                         | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>PFAS                                                                                                                          |
| RESTRICTED LIST                                                         | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions                                                       |
| RESTRICTED LIST                                                         | International Living Future Institute (ILFI)             | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2023<br><br>Red List substances to avoid in Living Building Challenge V4.0 projects |
| SUBSTANCE NOTES: This substance is present in all finish color options. |                                                          |                                                                                                                                                                            |

#### CHROMIUM IRON OXIDE

ID: 12737-27-8

|                                                                           |                                                          |                                                                                             |                                                         |                                |
|---------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>          |                                                          |                                                                                             | HAZARD SCREENING DATE: <b>2024-03-18 14:14:01</b>       |                                |
| %: <b>0.0000 - 24.2800</b>                                                | GreenScreen: <b>LT-P1</b>                                | RC: <b>None</b>                                                                             | NANO: <b>No</b>                                         | SUBSTANCE ROLE: <b>Pigment</b> |
| HAZARD TYPE                                                               | LIST NAME AND SOURCE                                     |                                                                                             | WARNINGS                                                |                                |
| SKI                                                                       | MAK                                                      |                                                                                             | Sensitizing Substance Sh - Danger of skin sensitization |                                |
| ADDITIONAL LISTINGS                                                       | LIST NAME AND SOURCE                                     |                                                                                             | NOTIFICATION                                            |                                |
| RESTRICTED LIST                                                           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                                         |                                |
|                                                                           |                                                          | Biological and Environmentally Released Materials                                           |                                                         |                                |
| RESTRICTED LIST                                                           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                                         |                                |
|                                                                           |                                                          | Children's Products                                                                         |                                                         |                                |
| SUBSTANCE NOTES: Optional pigment. Only present in certain color options. |                                                          |                                                                                             |                                                         |                                |

#### HEMATITE, CHROMIUM GREEN BLACK

ID: 68909-79-5

|                                                                  |                            |                 |                                                   |                                |
|------------------------------------------------------------------|----------------------------|-----------------|---------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2024-03-18 14:14:01</b> |                                |
| #: <b>0.0000 - 23.6800</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: Optional pigment. Only present in certain color options. |                      |                                                |

NICKEL RUTILE YELLOW

ID: 8007-18-9

|                                                                           |                                                          |                                                                                             |                                                   |                                |
|---------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>          |                                                          |                                                                                             | HAZARD SCREENING DATE: <b>2024-03-18 14:14:01</b> |                                |
| %: <b>0.0000 - 22.1100</b>                                                | GreenScreen: <b>LT-1</b>                                 | RC: <b>None</b>                                                                             | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Pigment</b> |
| HAZARD TYPE                                                               | LIST NAME AND SOURCE                                     |                                                                                             | WARNINGS                                          |                                |
| CAN                                                                       | IARC                                                     |                                                                                             | Group 1 - Agent is Carcinogenic to humans         |                                |
| CAN                                                                       | CA EPA - Prop 65                                         |                                                                                             | Carcinogen                                        |                                |
| CAN                                                                       | US NIH - Report on Carcinogens                           |                                                                                             | Known to be a human Carcinogen                    |                                |
| ADDITIONAL LISTINGS                                                       | LIST NAME AND SOURCE                                     |                                                                                             | NOTIFICATION                                      |                                |
| RESTRICTED LIST                                                           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                                   |                                |
|                                                                           |                                                          | Biological and Environmentally Released Materials                                           |                                                   |                                |
| RESTRICTED LIST                                                           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                                   |                                |
|                                                                           |                                                          | Children's Products                                                                         |                                                   |                                |
| RESTRICTED LIST                                                           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                                   |                                |
|                                                                           |                                                          | Footwear, Apparel & Jewelry Products                                                        |                                                   |                                |
| SUBSTANCE NOTES: Optional pigment. Only present in certain color options. |                                                          |                                                                                             |                                                   |                                |

FERRIC OXIDE

ID: 1309-37-1

|                                                           |                   |                                            |          |                         |
|-----------------------------------------------------------|-------------------|--------------------------------------------|----------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2024-03-18 14:14:01 |          |                         |
| %: 0.0000 - 21.8000                                       | 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: Optional pigment. Only present in certain color options.

The full GreenScreen Assessment can be found at [PharosProject.net](#).

CHROMIUM (III) OXIDE

ID: 1308-38-9

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                         |                                                                                                                                                           | HAZARD SCREENING DATE: <b>2024-03-18 14:14:02</b> |                                |
|------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------|
| %: <b>0.0000 - 20.9600</b>                                       | GreenScreen: <b>BM-1</b>                                | RC: <b>None</b>                                                                                                                                           | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Pigment</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                                  |                                                   |                                |
| SKI                                                              | MAK                                                     | Sensitizing Substance Sh - Danger of skin sensitization                                                                                                   |                                                   |                                |
| 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 (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |                                                   |                                |
|                                                                  |                                                         | Biological and Environmentally Released Materials                                                                                                         |                                                   |                                |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |                                                   |                                |
|                                                                  |                                                         | Children's Products                                                                                                                                       |                                                   |                                |

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

The full GreenScreen Assessment can be found at [PharosProject.net](#).

C.I. PIGMENT GREEN 50

ID: 68186-85-6

|                                                                  |                                                   |
|------------------------------------------------------------------|---------------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> | HAZARD SCREENING DATE: <b>2024-03-18 14:14:02</b> |
|------------------------------------------------------------------|---------------------------------------------------|

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                             |
|---------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                 | US CDC - Occupational Carcinogens                        | Occupational Carcinogen                                                                                                                              |
| CAN                 | IARC                                                     | Group 1 - Agent is Carcinogenic to humans                                                                                                            |
| CAN                 | CA EPA - Prop 65                                         | Carcinogen                                                                                                                                           |
| CAN                 | US NIH - Report on Carcinogens                           | Known to be a human Carcinogen                                                                                                                       |
| CAN                 | MAK                                                      | Carcinogen Group 2 - Considered to be carcinogenic for man                                                                                           |
| RES                 | MAK                                                      | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                    |
| GEN                 | MAK                                                      | Germ Cell Mutagen 3a                                                                                                                                 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                         |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>Certain Metals                                                                                          |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 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 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Footwear, Apparel & Jewelry Products              |

SUBSTANCE NOTES: SUBSTANCE NOTES: Optional pigment. Only present in certain color options. CI Pigment Green 50 (aka Cobalt titanite green spinel) is produced by high temperature calcination of a mixture of oxides of Co and Ti in varying amounts to form a crystalline matrix of inverse spinel. Due to its unique crystalline structure the properties of this pigment do not necessarily reflect the properties of the component metals or oxides. Further, the pigment is of negligible water solubility and bioavailability (under no foreseeable conditions are metal ions able to be released from the crystalline structure). And finally, in the final cured film exposure is extremely unlikely since it is embedded in a solid, continuous polymer matrix and thus no longer exists as isolated particles.

C.I. PIGMENT BLACK 28

ID: 68186-91-4

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |                                                | HAZARD SCREENING DATE: 2024-03-18 14:14:01 |                         |
|-----------------------------------------------------------|----------------------|------------------------------------------------|--------------------------------------------|-------------------------|
| %: 0.0000 - 19.9200                                       | 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: Optional pigment. Only present in certain color options.

RUTILE, ANTIMONY CHROMIUM BUFF

ID: 68186-90-3

|                                                           |                                                        |                                                                                             |                                            |                         |
|-----------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                                        |                                                                                             | HAZARD SCREENING DATE: 2024-03-18 14:14:02 |                         |
| %: 0.0000 - 19.9200                                       | GreenScreen: BM-1                                      | 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                                                                                |                                            |                         |
| RESTRICTED LIST                                           | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                            |                         |
|                                                           |                                                        | Biological and Environmentally Released Materials                                           |                                            |                         |
| RESTRICTED LIST                                           | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                            |                         |
|                                                           |                                                        | Children's Products                                                                         |                                            |                         |
| RESTRICTED LIST                                           | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                            |                         |
|                                                           |                                                        | Cosmetics & Personal Care Products                                                          |                                            |                         |

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

The full GreenScreen Assessment can be found at PharosProject.net.

C.I. PIGMENT BLUE 28

ID: 1345-16-0

|                                                           |                      |                                                                   |                                            |                         |
|-----------------------------------------------------------|----------------------|-------------------------------------------------------------------|--------------------------------------------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |                                                                   | HAZARD SCREENING DATE: 2024-03-18 14:14:02 |                         |
| %: 0.0000 - 19.0000                                       | GreenScreen: LT-1    | RC: None                                                          | NANO: No                                   | SUBSTANCE ROLE: Pigment |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                                          |                                            |                         |
| CAN                                                       | MAK                  | Carcinogen Group 2 - Considered to be carcinogenic for man        |                                            |                         |
| RES                                                       | MAK                  | Sensitizing Substance Sah - Danger of airway & skin sensitization |                                            |                         |
| GEN                                                       | MAK                  | Germ Cell Mutagen 3a                                              |                                            |                         |

| ADDITIONAL LISTINGS                                                       | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                |
|---------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                           | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                           |                                                         | Biological and Environmentally Released Materials                                           |
| RESTRICTED LIST                                                           | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                           |                                                         | Children's Products                                                                         |
| SUBSTANCE NOTES: Optional pigment. Only present in certain color options. |                                                         |                                                                                             |

TITANIUM DIOXIDE

ID: 13463-67-7

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           |                                                                                                                                                           | HAZARD SCREENING DATE: <b>2024-03-18 14:14:02</b> |                                |
|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------|
| %: <b>12.0400 - 18.9400</b>                                      | GreenScreen: <b>BM-1</b>                  | RC: <b>None</b>                                                                                                                                           | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Pigment</b> |
| 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 (C2CPH) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products       |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 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)                           |

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.

Additional information from rom IARC Monograph 93 (<http://monographs.iarc.fr/ENG/Monographs/vol93/mono93.pdf>), p. 274: “No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints.” The Office of Environmental Health Hazard Assessment (OEHHA) within the California Environmental Protection Agency is adding titanium dioxide (airborne, unbound particles of respirable size) to the list of chemicals known to the State of California to cause cancer for purposes of the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). However, the listing does not cover titanium dioxide when it remains bound within a product matrix. In this product’s final cured film exposure is extremely unlikely since it is embedded in a solid, continuous polymer matrix and thus no longer exists as isolated particles.

C.I. PIGMENT BLUE 36

ID: 68187-11-1

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                                                   | HAZARD SCREENING DATE: <b>2024-03-18 14:14:03</b> |                                |
|------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------|---------------------------------------------------|--------------------------------|
| %: <b>0.0000 - 17.3900</b>                                       | GreenScreen: <b>LT-1</b> | RC: <b>None</b>                                                   | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Pigment</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     | WARNINGS                                                          |                                                   |                                |
| CAN                                                              | MAK                      | Carcinogen Group 2 - Considered to be carcinogenic for man        |                                                   |                                |
| RES                                                              | MAK                      | Sensitizing Substance Sah - Danger of airway & skin sensitization |                                                   |                                |
| GEN                                                              | MAK                      | Germ Cell Mutagen 3a                                              |                                                   |                                |

| ADDITIONAL LISTINGS                                                       | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                |
|---------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                           | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                           |                                                         | Biological and Environmentally Released Materials                                           |
| RESTRICTED LIST                                                           | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                           |                                                         | Children's Products                                                                         |
| SUBSTANCE NOTES: Optional pigment. Only present in certain color options. |                                                         |                                                                                             |

BISMUTH VANADIUM TETRAOXIDE

ID: 14059-33-7

|                                                                                     |                                             |                                                   |                                              |                                |
|-------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------|----------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                    |                                             | HAZARD SCREENING DATE: <b>2024-03-18 14:14:02</b> |                                              |                                |
| %: <b>0.0000 - 16.5700</b>                                                          | GreenScreen: <b>BM-1</b>                    | RC: <b>None</b>                                   | NANO: <b>No</b>                              | SUBSTANCE ROLE: <b>Pigment</b> |
| HAZARD TYPE                                                                         | LIST NAME AND SOURCE                        |                                                   | WARNINGS                                     |                                |
| MUL                                                                                 | German FEA - Substances Hazardous to Waters |                                                   | Class 3 - Severe Hazard to Waters            |                                |
| ADDITIONAL LISTINGS                                                                 | LIST NAME AND SOURCE                        |                                                   | NOTIFICATION                                 |                                |
| None found                                                                          |                                             |                                                   | No listings found on Additional Hazard Lists |                                |
| SUBSTANCE NOTES: Optional pigment. Only present in certain color options.           |                                             |                                                   |                                              |                                |
| The full GreenScreen Assessment can be found at <a href="#">PharosProject.net</a> . |                                             |                                                   |                                              |                                |

IRON HYDROXIDE OXIDE YELLOW

ID: 20344-49-4

|                                                                                                                           |                            |                 |                                                   |                                |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------|---------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                          |                            |                 | HAZARD SCREENING DATE: <b>2024-03-18 14:14:03</b> |                                |
| %: <b>0.1200 - 16.4500</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: This substance is present in all finish color options but exact amount varies within the range provided. |                            |                 |                                                   |                                |

|                                                                                                                           |                          |                                                |                                                   |                               |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------|---------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                          |                          |                                                | HAZARD SCREENING DATE: <b>2024-03-18 14:14:03</b> |                               |
| %: <b>9.7700 - 11.9500</b>                                                                                                | GreenScreen: <b>NoGS</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Binder</b> |
| HAZARD TYPE                                                                                                               | LIST NAME AND SOURCE     | WARNINGS                                       |                                                   |                               |
| None found                                                                                                                |                          | No warnings found on HPD Priority Hazard Lists |                                                   |                               |
| ADDITIONAL LISTINGS                                                                                                       | LIST NAME AND SOURCE     | NOTIFICATION                                   |                                                   |                               |
| None found                                                                                                                |                          | No listings found on Additional Hazard Lists   |                                                   |                               |
| SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided. |                          |                                                |                                                   |                               |

2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE

ID: 6846-50-0

|                                                                                                                           |                                       |                 |                                                                                          |                                    |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------|------------------------------------------------------------------------------------------|------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                          |                                       |                 | HAZARD SCREENING DATE: <b>2024-03-18 14:14:03</b>                                        |                                    |
| %: <b>6.7700 - 8.2700</b>                                                                                                 | GreenScreen: <b>BM-2</b>              | RC: <b>None</b> | NANO: <b>No</b>                                                                          | SUBSTANCE ROLE: <b>Plasticizer</b> |
| HAZARD TYPE                                                                                                               | LIST NAME AND SOURCE                  |                 | WARNINGS                                                                                 |                                    |
| END                                                                                                                       | TEDX - Potential Endocrine Disruptors |                 | Potential Endocrine Disruptor                                                            |                                    |
| AQU                                                                                                                       | GHS - Japan                           |                 | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2] |                                    |
| ADDITIONAL LISTINGS                                                                                                       | LIST NAME AND SOURCE                  |                 | NOTIFICATION                                                                             |                                    |
| RESTRICTED LIST                                                                                                           | Green Science Policy Institute (GSPI) |                 | GSPI - Six Classes Precautionary List                                                    |                                    |
|                                                                                                                           |                                       |                 | Some Solvents                                                                            |                                    |
| SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided. |                                       |                 |                                                                                          |                                    |

BARIUM SULFATE

ID: 7727-43-7

|                                                                  |                          |                                                                                                                                                           |                                                   |                               |
|------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                                                                                                                                           | HAZARD SCREENING DATE: <b>2024-03-18 14:14:03</b> |                               |
| %: <b>6.4000 - 7.8200</b>                                        | GreenScreen: <b>BM-2</b> | RC: <b>None</b>                                                                                                                                           | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Filler</b> |
| 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              | 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 (C2CPII) | C2C Certified v4 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 (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| RESTRICTED LIST                                                                                                                                                                                                                                    | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products                |
| <p>SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided.</p> <p>The full GreenScreen Assessment can be found at <a href="https://PharosProject.net">PharosProject.net</a>.</p> |                                                         |                                                                                                                                                      |

|                                                                                     |                      |                                                |                                            |                         |               |
|-------------------------------------------------------------------------------------|----------------------|------------------------------------------------|--------------------------------------------|-------------------------|---------------|
| 5,12-DIHYDROQUINO(2,3-B)ACRIDINE-7,14-DIONE                                         |                      |                                                |                                            |                         | ID: 1047-16-1 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                           |                      |                                                | HAZARD SCREENING DATE: 2024-03-18 14:14:03 |                         |               |
| %: 0.0000 - 7.8200                                                                  | 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: This is an optional pigment only present in certain color options. |                      |                                                |                                            |                         |               |

|                                                                  |                            |                                                   |                 |                                |
|------------------------------------------------------------------|----------------------------|---------------------------------------------------|-----------------|--------------------------------|
| 5,12-DIHYDROQUINO(2,3-B)ACRIDINE-7,14-DIONE                      |                            |                                                   |                 | ID: 1047-16-1                  |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2024-03-18 14:14:03</b> |                 |                                |
| %: <b>0.0000 - 7.4532</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: Optional material based on color.

CARBON BLACK

ID: 1333-86-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-03-18 14:14:04**

|                           |                                   |                                                                                                                                                           |                 |                                |
|---------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|
| %: <b>0.0000 - 7.0400</b> | GreenScreen: <b>BM-1</b>          | RC: <b>None</b>                                                                                                                                           | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</b> |
| 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: Optional pigment. Only present in certain color options.

The full GreenScreen Assessment can be found at [PharosProject.net](https://PharosProject.net).

\*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.”

Additional information from IARC Monograph 93 (<http://monographs.iarc.fr/ENG/Monographs/vol93/mono93.pdf>), p.63: "Operators in user industries who handle fluffy or pelleted carbon black during rubber, paint and in production are expected to have significantly lower exposures to carbon black than workers in carbon black production. Other workers in user industries who handle it occasionally have little opportunity for exposure. End-users of these products (rubber, ink or paint) are unlikely to be exposed to airborne carbon black particles, which are bound within the product matrix"

|                                                                           |                                                          |                 |                                                                                             |                                |
|---------------------------------------------------------------------------|----------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>          |                                                          |                 | HAZARD SCREENING DATE: <b>2024-03-18 14:14:04</b>                                           |                                |
| %: <b>0.0000 - 6.9500</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 (C2CP II) |                 | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                |
|                                                                           |                                                          |                 | Core Restrictions                                                                           |                                |
| SUBSTANCE NOTES: Optional pigment. Only present in certain color options. |                                                          |                 |                                                                                             |                                |

PHTHALOCYANINE GREEN

ID: 1328-53-6

|                                                                           |                                             |                                                      |                                            |                         |
|---------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------|--------------------------------------------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                 |                                             |                                                      | HAZARD SCREENING DATE: 2024-03-18 14:14:04 |                         |
| %: 0.0000 - 4.7000                                                        | 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                                         |                                            |                         |
| POSITIVE LIST                                                             | US Environmental Protection Agency (US EPA) | US EPA - DfE Safer Chemicals Ingredients list (SCIL) |                                            |                         |
|                                                                           |                                             | Colorants - Green Circle (Verified Low Concern)      |                                            |                         |
| SUBSTANCE NOTES: Optional pigment. Only present in certain color options. |                                             |                                                      |                                            |                         |

C.I. PIGMENT BLUE 15ID: 147-14-8

|                                                                  |                                             |                                                      |                                                   |                                |
|------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             |                                                      | HAZARD SCREENING DATE: <b>2024-03-18 14:14:04</b> |                                |
| %: <b>0.0000 - 3.3300</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) |                                                   |                                |
|                                                                  |                                             | Colorants - Green Circle (Verified Low Concern)      |                                                   |                                |

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

The full GreenScreen Assessment can be found at [PharosProject.net](https://PharosProject.net).

ACRYLIC-MELAMINE RESIN

ID: 1947341-00-5

|                                                                  |                          |                 |                                                   |                               |
|------------------------------------------------------------------|--------------------------|-----------------|---------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2024-03-18 14:14:04</b> |                               |
| %: <b>1.0600 - 1.3000</b>                                        | GreenScreen: <b>NoGS</b> | RC: <b>None</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Binder</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     |                 | WARNINGS                                          |                               |
| None found                                                       |                          |                 | No warnings found on HPD Priority Hazard Lists    |                               |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE     |                 | NOTIFICATION                                      |                               |
| None found                                                       |                          |                 | No listings found on Additional Hazard Lists      |                               |

SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided.

TRIPHOSPHORIC ACID, ALUMINUM SALT

ID: 13939-25-8

|                                                                  |                            |                 |                                                   |                                            |
|------------------------------------------------------------------|----------------------------|-----------------|---------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2024-03-18 14:14:04</b> |                                            |
| %: <b>1.0600 - 1.3000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Corrosion inhibitor</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       |                 | WARNINGS                                          |                                            |
| None found                                                       |                            |                 | No warnings found on HPD Priority Hazard Lists    |                                            |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE       |                 | NOTIFICATION                                      |                                            |
| None found                                                       |                            |                 | No listings found on Additional Hazard Lists      |                                            |

SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided.

ALUMINA TRIHYDRATE

ID: 21645-51-2

|                                                                  |                          |                 |                                                   |                               |
|------------------------------------------------------------------|--------------------------|-----------------|---------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2024-03-18 14:14:05</b> |                               |
| %: <b>0.6200 - 1.0500</b>                                        | GreenScreen: <b>BM-2</b> | RC: <b>None</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Filler</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     |                 | WARNINGS                                          |                               |
| SKI                                                              | GHS - New Zealand        |                 | Skin irritation category 2                        |                               |
| EYE                                                              | GHS - New Zealand        |                 | Eye irritation category 2                         |                               |

| ADDITIONAL LISTINGS                                                                                                       | LIST NAME AND SOURCE                                   | NOTIFICATION                                                                                |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                                           | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                                                                           |                                                        | Biological and Environmentally Released Materials                                           |
| RESTRICTED LIST                                                                                                           | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                                                                           |                                                        | Children's Products                                                                         |
| SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided. |                                                        |                                                                                             |
| The full GreenScreen Assessment can be found at PharosProject.net.                                                        |                                                        |                                                                                             |

SILICA, AMORPHOUS

ID: 7631-86-9

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                       | HAZARD SCREENING DATE: 2024-03-18 14:14:05                                                                                                                |          |                        |
|-----------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|
| %: 0.8000 - 1.0500                                        | GreenScreen: BM-1                     | RC: None                                                                                                                                                  | NANO: No | SUBSTANCE ROLE: Filler |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                  | WARNINGS                                                                                                                                                  |          |                        |
| CAN                                                       | GHS - Japan                           | H350 - May cause cancer [Carcinogenicity - Category 1A]                                                                                                   |          |                        |
| CAN                                                       | GHS - Australia                       | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]                                                                              |          |                        |
| MAM                                                       | GHS - Japan                           | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |          |                        |
| 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]                   |          |                        |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                  | NOTIFICATION                                                                                                                                              |          |                        |
| RESTRICTED LIST                                           | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List                                                                                                                     |          |                        |
|                                                           |                                       | Antimicrobials                                                                                                                                            |          |                        |

SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided.

The full GreenScreen Assessment can be found at [PharosProject.net](#).

STRONTIUM CARBONATE

ID: 1633-05-2

|                                                           |                     |                                            |          |                                     |
|-----------------------------------------------------------|---------------------|--------------------------------------------|----------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     | HAZARD SCREENING DATE: 2024-03-18 14:14:04 |          |                                     |
| %: 0.8500 - 1.0400                                        | GreenScreen: LT-UNK | RC: None                                   | NANO: No | SUBSTANCE ROLE: Corrosion inhibitor |

| HAZARD TYPE                                                                                                               | LIST NAME AND SOURCE | WARNINGS                                       |
|---------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------|
| None found                                                                                                                |                      | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS                                                                                                       | LIST NAME AND SOURCE | NOTIFICATION                                   |
| None found                                                                                                                |                      | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided. |                      |                                                |

2-(2-BUTOXYETHOXY)ETHANOL

ID: 112-34-5

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                                         | HAZARD SCREENING DATE: 2024-03-18 14:14:04                                                                                                                |          |                         |
|-----------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------|
| %: 0.0000 - 1.0000                                        | GreenScreen: LT-P1                                      | RC: None                                                                                                                                                  | NANO: No | SUBSTANCE ROLE: Solvent |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                                  |          |                         |
| END                                                       | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor                                                                                                                             |          |                         |
| EYE                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1               | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |          |                         |
| EYE                                                       | GHS - New Zealand                                       | Eye irritation category 2                                                                                                                                 |          |                         |
| EYE                                                       | GHS - Australia                                         | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |          |                         |
| MAM                                                       | GHS - Japan                                             | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |          |                         |
| EYE                                                       | GHS - Japan                                             | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                                                                  |          |                         |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                              |          |                         |
| RESTRICTED LIST                                           | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List                                                                                                                     |          |                         |
|                                                           |                                                         | Some Solvents                                                                                                                                             |          |                         |
| RESTRICTED LIST                                           | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |          |                         |
|                                                           |                                                         | Formulated Consumer Products                                                                                                                              |          |                         |

SUBSTANCE NOTES: This solvent will likely flash off during the baking/curing process, however, some may remain.

ALUMINIUM HYDROXIDE OXIDE

ID: 24623-77-6

|                                                           |                     |                                            |          |                         |
|-----------------------------------------------------------|---------------------|--------------------------------------------|----------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     | HAZARD SCREENING DATE: 2024-03-18 14:14:04 |          |                         |
| %: 0.7200 - 0.9100                                        | 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: This substance is present in all finish color options but exact amount varies within the range provided. |                      |                                                |

ZINC 5-NITROISOPHTHALATEID: 60580-61-2

|                                                                                                                           |                            |                                                            |                 |                                            |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------|-----------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                          |                            | HAZARD SCREENING DATE: <b>2024-03-18 14:14:05</b>          |                 |                                            |
| %: <b>0.6400 - 0.7800</b>                                                                                                 | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                            | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Corrosion inhibitor</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                                                                                                           | Perkins+Will (P+W)         | P&W - Precautionary List                                   |                 |                                            |
|                                                                                                                           |                            | Precautionary list of substances recommended for avoidance |                 |                                            |
| SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided. |                            |                                                            |                 |                                            |

WOLLASTONITEID: 13983-17-0

|                                                                                                                           |                            |                                                   |                 |                               |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------|-----------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                          |                            | HAZARD SCREENING DATE: <b>2024-03-18 14:14:05</b> |                 |                               |
| %: <b>0.6400 - 0.7800</b>                                                                                                 | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Filler</b> |
| HAZARD TYPE                                                                                                               | LIST NAME AND SOURCE       | WARNINGS                                          |                 |                               |
| None found                                                                                                                |                            | No warnings found on HPD Priority Hazard Lists    |                 |                               |
| ADDITIONAL LISTINGS                                                                                                       | LIST NAME AND SOURCE       | NOTIFICATION                                      |                 |                               |
| None found                                                                                                                |                            | No listings found on Additional Hazard Lists      |                 |                               |
| SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided. |                            |                                                   |                 |                               |

CELLULOSE ACETATE BUTANOATE, AVERAGE MOLECULAR WEIGHT 15000 - 65000 G/MOLID: 9004-36-8

|                                                           |                     |                                            |          |                        |
|-----------------------------------------------------------|---------------------|--------------------------------------------|----------|------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     | HAZARD SCREENING DATE: 2024-03-18 14:14:05 |          |                        |
| %: 0.2900 - 0.3500                                        | GreenScreen: LT-UNK | RC: None                                   | NANO: No | SUBSTANCE ROLE: Binder |

| HAZARD TYPE                                                                                                               | LIST NAME AND SOURCE | WARNINGS                                       |
|---------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------|
| None found                                                                                                                |                      | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS                                                                                                       | LIST NAME AND SOURCE | NOTIFICATION                                   |
| None found                                                                                                                |                      | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided. |                      |                                                |

MOLYBDATE (MOO42#-), CALCIUM (1:1), (T-4)-ID: 7789-82-4

|                                                                    |                            |                                                   |                                                |                                |
|--------------------------------------------------------------------|----------------------------|---------------------------------------------------|------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>   |                            | HAZARD SCREENING DATE: <b>2024-03-18 14:14:05</b> |                                                |                                |
| %: <b>0.0000 - 0.3400</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: Optional pigment. Only present in certain colors. |                            |                                                   |                                                |                                |

FUMED SILICA, CRYSTALLINE-FREEID: 112945-52-5

|                                                                                                                           |                          |                                                   |                                                |                               |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------|------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                          |                          | HAZARD SCREENING DATE: <b>2024-03-18 14:14:05</b> |                                                |                               |
| %: <b>0.1800 - 0.2200</b>                                                                                                 | GreenScreen: <b>BM-1</b> | RC: <b>None</b>                                   | NANO: <b>No</b>                                | SUBSTANCE ROLE: <b>Filler</b> |
| HAZARD TYPE                                                                                                               | LIST NAME AND SOURCE     |                                                   | WARNINGS                                       |                               |
| None found                                                                                                                |                          |                                                   | No warnings found on HPD Priority Hazard Lists |                               |
| ADDITIONAL LISTINGS                                                                                                       | LIST NAME AND SOURCE     |                                                   | NOTIFICATION                                   |                               |
| None found                                                                                                                |                          |                                                   | No listings found on Additional Hazard Lists   |                               |
| SUBSTANCE NOTES: This substance is present in all finish color options but exact amount varies within the range provided. |                          |                                                   |                                                |                               |
| The full GreenScreen Assessment can be found at <a href="https://PharosProject.net">PharosProject.net</a> .               |                          |                                                   |                                                |                               |

18-8 TYPE 304 STAINLESS FASTENERS%: 0.0459 - 0.0459

|                                                                                                                                   |                                                   |                      |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------|
| PRODUCT THRESHOLD: 100 ppm                                                                                                        | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: Stainless steel screws are a commodity product and residuals or impurities may not be consistent. |                                                   |                      |

OTHER MATERIAL NOTES: These are the fasteners that are used to assemble the product.

304 STAINLESS STEEL (304 STAINLESS STEEL)

ID: 12597-68-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**      HAZARD SCREENING DATE: **2024-03-18 14:14:05**

%: **100.0000 - 100.0000**      GreenScreen: **NoGS**      RC: **Both**      NANO: **No**      SUBSTANCE ROLE: **Hardware**

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: There is a varying amount of recycled content in this material.

## 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                                                                                                                                                                                                                                                                                                                                               | Inherently non-emitting source per LEED                             |                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------|
| CERTIFYING PARTY: Self-declared<br>APPLICABLE FACILITIES: Delano, MN (sole site)<br>CERTIFICATE URL:<br>CERTIFICATION AND COMPLIANCE NOTES:                                                                                                                                                                                                                 | ISSUE DATE: 2024-03-18 00:00:00<br>EXPIRY DATE:                     | CERTIFIER OR LAB: None                   |
| INGREDIENT                                                                                                                                                                                                                                                                                                                                                  | ILFI Declare - Declared                                             |                                          |
| CERTIFYING PARTY: Third Party<br>APPLICABLE FACILITIES: Delano, MN (sole facility)<br>CERTIFICATE URL: <a href="https://declare.living-future.org/products/custom-aluminum-sunshades-with-fluoropon-pure-finish">https://declare.living-future.org/products/custom-aluminum-sunshades-with-fluoropon-pure-finish</a><br>CERTIFICATION AND COMPLIANCE NOTES: | ISSUE DATE: 2016-12-01 00:00:00<br>EXPIRY DATE: 2024-04-01 00:00:00 | CERTIFIER OR LAB: WAP Sustainability     |
| MULTI-ATTRIBUTE                                                                                                                                                                                                                                                                                                                                             | Environmental Product Declaration (EPD) by NSF                      |                                          |
| CERTIFYING PARTY: Third Party<br>APPLICABLE FACILITIES: Delano, MN (sole site)<br>CERTIFICATE URL: <a href="https://info.nsf.org/Certified/Sustain/ProdCert/EPD10629.pdf">https://info.nsf.org/Certified/Sustain/ProdCert/EPD10629.pdf</a><br>CERTIFICATION AND COMPLIANCE NOTES:                                                                           | ISSUE DATE: 2021-10-21 00:00:00<br>EXPIRY DATE: 2026-10-21 00:00:00 | CERTIFIER OR LAB: NSF/WAP Sustainability |

## 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.

| FASTENERS TO ATTACH PRODDUCT TO BUILDING STRUCTURE                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MANUFACTURER (OR GENERIC): Generic                                                                                                                                                                                                                                                                            |
| HPD URL: No HPD available<br>ACCESSORY TYPE: Fastner<br>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: ILI does not provide the metal fasteners that attach our products to the building. Fasteners may be from a variety of materials and suppliers and depend on the application and substrate. |

## Section 5: General Notes

Notes related to consideration of residuals and impurities are included in material and substance notes.  
Hazard screening was completed through the HPD builder.  
Variations on the custom product and scope of the HPD are explained in the product title/description section.

MANUFACTURER INFORMATION

MANUFACTURER: **Industrial Louvers Inc.**  
ADDRESS: **South 7th Street**  
**La Crescent, Minnesota 55947**  
COUNTRY: **United States**  
LATITUDE: **-91.3088000**  
LONGITUDE: **43.8229000**

WEBSITE: **www.industriallouvers.com**  
CONTACT NAME: **Lisa Britton**  
TITLE: **Vice President, Sales & Marketing/Sustainability**  
PHONE: **7639727011**  
EMAIL: **lbritton@industriallouvers.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.*

