

HPD UNIQUE IDENTIFIER: 1400326144

CLASSIFICATION: 09 65 16.23 Vinyl Sheet Flooring

PRODUCT TYPE: Vinyl Sheet Flooring with Backing (Resilient)

PRODUCT DESCRIPTION: AHF Products offers a series of leading commercial solutions. The Inlaid Heterogeneous sheet line features a sturdy 2.0 mm gauge construction with a 50 mil wear layer, through-color top layer and a structurally solid base. This solid construction provides a highly durable floor that handles heavy rolling loads. Wide 72-inch rolls made from 100% virgin vinyl with no phthalates or heavy metals. Our Inlaid Heterogeneous sheet line comes in a wide range of colors with noticeably large vinyl chips, a smooth embossed surface, topped with a urethane finish that is extremely resistant to stains. Incredibly low maintenance, our flooring should be swept regularly to remove excess dirt and grit and damp mopped, but requires no waxing, buffing, sealers or finishes. Ideal for Healthcare, Assisted Living, Education, Corporate, Hospitality, Retail and Institutional environments and comes with a 10-year limited commercial warranty.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

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

CONTENT IN DESCENDING ORDER OF QUANTITY

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

**PRODUCT** | **MATERIAL OR SUBSTANCE** | *RESIDUAL OR IMPURITY*  
**GREENSCREEN SCORE** | HAZARD TYPE

**COMPOSED - INLAID HETEROGENEOUS SHEET (LARGE CHIP)** [  
**POLYVINYL CHLORIDE** **LT-P1** | MAM **CALCIUM CARBONATE** **BM-3dg**  
**DI(2-ETHYLHEXYL) TEREPHTHALATE** **BM-3dg** **POLYETHYLENE**  
**TEREPHTHALATE** **LT-P1** **GLASS, OXIDE, CHEMICALS** **LT-UNK**  
**SOYBEAN OIL, EPOXIDIZED** **LT-P1** | AQU **DISTILLATES,**  
**PETROLEUM, HYDROTREATED LIGHT** **BM-2** | CAN | MAM | AQU  
**DIAZENE-1,2-DICARBOXAMIDE (C,C'-AZODI(FORMAMIDE))** **LT-UNK**  
PHY | RES **HEXANOIC ACID, 2-ETHYL-, ZINC SALT** **LT-1** | REP | MUL |  
DEV | SKI | EYE | AQU **2-PROPENOIC ACID, 2-HYDROXYETHYL**  
**ESTER, POLYMER WITH 1,1'-METHYLENEBIS[4-**  
**ISOCYANATOCYCLOHEXANE] AND .ALPHA.,.ALPHA.',.ALPHA."-**  
**1,2,3-PROPANETRIYLTRIS[.OMEGA.-HYDROXYPOLY[OXY(METHYL-**  
**1,2-ETHANEDIYL)]** **LT-UNK** | SKI | EYE | MAM **2-BUTOXYETHANOL**  
**BM-2** | END | SKI | EYE | MAM | REP **XYLENE** **BM-1** | END | MUL | REP |  
SKI | EYE | MAM | AQU **AMORPHOUS SILICA** **BM-1** | CAN | MAM  
**HEXANOIC ACID, 2-ETHYL-, POTASSIUM SALT** **LT-1** | REP | DEV | SKI  
| EYE **METHANONE, (1-HYDROXYCYCLOHEXYL)PHENYL-** **LT-UNK**  
EYE **POLY(OXY-1,2-ETHANEDIYL), α-(1-OXO-2-PROPENYL) -ω-[(1-**  
**OXO-2-PROPENYL)OXY]-** **LT-UNK** **ZINC OXIDE** **BM-1** | END | MUL |  
AQU | MAM | REP **BUTANAMIDE, 2,2'-[1,2-ETHANEDIYLBIS(OXY- 2,1-**  
**PHENYLENEAZO)]BIS[N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL -5-**  
**YL)-3-OXO-** **LT-UNK** **BENZENEPROPANOIC ACID, 3,5-BIS(1,1-**  
**DIMETHYLETHYL)-4-HYDROXY-, 2,2-BIS[[3-[3,5-BIS(1,1-**  
**DIMETHYLETHYL) -4-HYDROXYPHENYL]-1-OXOPROPOXY]METHYL ]-**  
**1,3-PROPANEDIYL ESTER** **LT-UNK** **2-PROPENOIC ACID, 2-**  
**HYDROXYETHYL ESTER** **LT-P1** | SKI | MUL | AQU | MAM | EYE **2-**

Number of Greenscreen BM-4/BM3 contents ... 3

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Basic Inventory Method

PROPENOIC ACID, (1-METHYL-1,2-ETHANEDIYL) BIS[OXY(METHYL-2,1-ETHANEDIYL)] ESTER **LT-P1** | SKI | MUL | EYE | AQU **FATTY ACIDS, C3-24** **NoGS** **TITANIUM DIOXIDE** **BM-1** | CAN | END | MAM **STEARIC ACID** **LT-P1** | END **ROSIN** **LT-P1** | SKI | MAM | AQU | REP | RES **QUINO[2,3-B]ACRIDINE-7,14-DIONE, 5,12-DIHYDRO-** **LT-UNK** **OCTADECANOIC ACID, ZINC SALT** **LT-UNK** | AQU **OCTADECANOIC ACID, BARIUM SALT** **LT-UNK** | SKI | EYE | MAM **DIIRON TRIOXIDE** **BM-1** | CAN | MAM **CARBON BLACK** **BM-1** | CAN | EYE | MAM | PHY **C.I. PIGMENT BLUE 29** **LT-UNK** **C. I. PIGMENT BLUE 15** **BM-3** **BENZOIC ACID, 3,3'-[(2,5-DICHLORO-1,4-PHENYLENE) BIS[IMINOCARBONYL(2-HYDROXY-3,1-NAPHTHALENEDIYL )AZO]]BIS[4-METHYL-, BIS(1-METHYLETHYL) ESTER** **LT-UNK** **AMINES, N-COCO** **ALKYLTRIMETHYLENEDI-** **LT-P1** | MUL **ALUMINUM HYDROXIDE** **BM-2** | SKI | EYE **2-PROPENOIC ACID, 2-(HYDROXYMETHYL)-2-[[[(1- OXO-2-PROPENYL)OXY]METHYL]-1,3-PROPANEDIYL ESTER** **LT-P1** | SKI | EYE | CAN | AQU | MAM **PARAFFIN WAXES AND HYDROCARBON WAXES, MICROCRYST.** **LT-UNK** |

**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: RFCI FloorScore

**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:  
VERIFICATION #:

SCREENING DATE: 2024-02-21  
PUBLISHED DATE: 2024-02-21  
EXPIRY DATE: 2027-02-21

## Section 2: Content in Descending Order of Quantity

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

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

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

### COMPOSED - INLAID HETEROGENEOUS SHEET (LARGE CHIP)

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

RESIDUALS AND IMPURITIES NOTES: Although this product does not meet the requirements for Residuals/Impurities - Considered, it has been thoroughly tested according to the latest industry standards for performance & safety (including heavy metals, orthophthalates, and VOC emissions/indoor air quality).

OTHER PRODUCT NOTES: This product has been thoroughly tested according to the latest industry standards for performance & safety (including heavy metals, orthophthalates, and VOC emissions/indoor air quality).

### POLYVINYL CHLORIDE

ID: 9002-86-2

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

HAZARD SCREENING DATE: 2024-02-21 20:21:11

%: 40.9020 - 40.9020

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Polymer species**

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS   |
|---------------------|--|--|
| 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]              |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION   |
| RESTRICTED LIST     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br>Precautionary list of substances recommended for avoidance   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<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>Red List substances to avoid in Living Building Challenge V4.0 projects |

SUBSTANCE NOTES:

### CALCIUM CARBONATE

ID: 1317-65-3

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

HAZARD SCREENING DATE: 2024-02-21 20:21:11

#: 20.3100 - 20.3100

GreenScreen: **BM-3dg**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS                                       |
|---------------------|----------------------|--|
| None found          |                      | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                   |
| None found          |                      | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES:    |                      |  |

**DI(2-ETHYLHEXYL) TEREPHTHALATE**

ID: **6422-86-2**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:11**

#: 17.5520 - 17.5520

GreenScreen: **BM-3dg**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Plasticizer**

| 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     | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List<br>Some Solvents |
| SUBSTANCE NOTES:    |                                       |  |

**POLYETHYLENE TEREPHTHALATE**

ID: **25038-59-9**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:11**

#: 10.0000 - 10.0000

GreenScreen: **LT-P1**

RC: **None**

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:    |                      |  |

**GLASS, OXIDE, CHEMICALS**

ID: **65997-17-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:12**

#: 5.0000 - 5.0000

GreenScreen: **LT-UNK**

RC: **None**

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   |
| EXEMPT              | European Union / European Commission (EU EC) | EU - REACH Exemptions<br><br>Exempted from REACH Annex V listing due to intrinsic safety |
| SUBSTANCE NOTES:    |  |  |

### SOYBEAN OIL, EPOXIDIZED

ID: 8013-07-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:12**

%: **1.7520 - 1.7520** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS  |
|---------------------|----------------------|---|
| AQU                 | GHS - New Zealand    | Hazardous to the aquatic environment - chronic category 2 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION  |
| None found          |                      | No listings found on Additional Hazard Lists              |

SUBSTANCE NOTES:

### DISTILLATES, PETROLEUM, HYDROTREATED LIGHT

ID: 64742-47-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:12**

%: **1.4840 - 1.4840** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

| HAZARD TYPE         | LIST NAME AND SOURCE                      | WARNINGS   |
|---------------------|---|--|
| CAN                 | MAK                                       | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                         |
| MAM                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]                                 |
| AQU                 | GHS - Japan                               | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                             |
| AQU                 | GHS - Japan                               | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                      | NOTIFICATION   |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)     | GSPI - Six Classes Precautionary List<br><br>Some Solvents   |

SUBSTANCE NOTES:

**DIAZENE-1,2-DICARBOXAMIDE (C,C'-AZODI(FORMAMIDE))**

ID: 123-77-3

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

HAZARD SCREENING DATE: **2024-02-21 20:21:12**

%: **0.5470 - 0.5470**      GreenScreen: **LT-UNK**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Binder**

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS  |
|---------------------|----------------------|---|
| PHY                 | GHS - New Zealand    | Flammable solids category 1   |
| PHY                 | GHS - Japan          | H225 - Highly flammable liquid and vapour [Flammable solids - Category 1] |
| RES                 | EU - SVHC List       | Equivalent Concern - Candidate List: Respiratory sensitizing              |
| RES                 | EU - SVHC List       | Equivalent Concern - Prioritization List: Respiratory sensitizing         |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION  |
| None found          |                      | No listings found on Additional Hazard Lists                              |

SUBSTANCE NOTES:

**HEXANOIC ACID, 2-ETHYL-, ZINC SALT**

ID: 136-53-8

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

HAZARD SCREENING DATE: **2024-02-21 20:21:12**

%: **0.4280 - 0.4280**      GreenScreen: **LT-1**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Antioxidant**

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS  |
|-------------|---|---|
| REP         | EU - Annex VI CMRs                          | Reproductive Toxicity - Category 1B   |
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters   |
| DEV         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H360D - May damage the unborn child [Reproductive toxicity - Category 1A or 1B] |
| SKI         | GHS - New Zealand                           | Skin corrosion category 1C  |
| EYE         | GHS - New Zealand                           | Serious eye damage category 1   |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 3                       |
| REP         | GHS - New Zealand                           | Reproductive toxicity category 2  |

| 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>Formulated Consumer Products                      |

SUBSTANCE NOTES:

**2-PROPENOIC ACID, 2-HYDROXYETHYL ESTER, POLYMER WITH 1,1'-METHYLENEBIS[4-ISOCYANATOCYCLOHEXANE] AND .ALPHA.,.ALPHA.',.ALPHA.'"-1,2,3-PROPANETRIYLTRIS[.OMEGA.-HYDROXPOLY[OXY(METHYL-1,2-ETHANEDIYL)]]**

ID: 73324-00-2

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

HAZARD SCREENING DATE: **2024-02-21 20:21:12**

%: **0.4000 - 0.4000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Coating**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS   |
|-------------|----------------------|--|
| SKI         | GHS - Australia      | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |
| EYE         | GHS - Australia      | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| MAM         | GHS - Australia      | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                |

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

SUBSTANCE NOTES:

**2-BUTOXYETHANOL**

ID: 111-76-2

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

HAZARD SCREENING DATE: **2024-02-21 20:21:12**

%: **0.2690 - 0.2690**

GreenScreen: **BM-2**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS  |
|---------------------|---|---|
| END                 | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor   |
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]  |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]  |
| MAM                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]  |
| 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] |
| MAM                 | GHS - Japan   | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]  |
| SKI                 | GHS - Japan   | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]  |
| REP                 | GHS - Japan   | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]   |
| MAM                 | Québec CSST - WHMIS 1988                                | Class D1A - Very toxic material causing immediate and serious toxic effects   |
| MAM                 | GHS - Japan   | H311 - Toxic in contact with skin [Acute Toxicity (dermal) - Category 3]  |
| EYE                 | GHS - Japan   | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]  |
| MAM                 | GHS - Japan   | H330 - Fatal if inhaled [Acute toxicity (inhalation: vapor) - Category 2]   |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION  |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br>Some Solvents  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br>Cosmetics & Personal Care Products                         |

SUBSTANCE NOTES:

**XYLENE**

ID: **1330-20-7**

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

HAZARD SCREENING DATE: **2024-02-21 20:21:12**

%: **0.2690 - 0.2690**

GreenScreen: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**



| HAZARD TYPE         | LIST NAME AND SOURCE                        | WARNINGS  |
|---------------------|---|---|
| END                 | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor   |
| MUL                 | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters  |
| REP                 | GHS - Japan                                 | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]   |
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]  |
| SKI                 | GHS - New Zealand                           | Skin irritation category 2  |
| EYE                 | GHS - New Zealand                           | Eye irritation category 2   |
| SKI                 | GHS - Australia                             | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]  |
| 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]  |
| SKI                 | GHS - Japan                                 | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]  |
| REP                 | GHS - New Zealand                           | Reproductive toxicity category 2  |
| EYE                 | GHS - Korea                                 | H319 - Causes serious eye irritation [Serious eye damage/irritation - Category 2]   |
| SKI                 | GHS - Korea                                 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]  |
| MAM                 | GHS - Korea                                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - Repeated exposure - Category 1]                   |
| AQU                 | GHS - Japan                                 | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]  |
| AQU                 | GHS - Japan                                 | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]                                      |
| SKI                 | GHS - Malaysia                              | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]  |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                        | NOTIFICATION  |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)       | GSPI - Six Classes Precautionary List<br>Antimicrobials   |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)       | GSPI - Six Classes Precautionary List<br>Some Solvents  |

SUBSTANCE NOTES:

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2024-02-21 20:21:13**%: **0.1230 - 0.1230**GreenScreen: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Coating**

| 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<br><br>Antimicrobials   |

SUBSTANCE NOTES:

**HEXANOIC ACID, 2-ETHYL-, POTASSIUM SALT**ID: **3164-85-0**HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2024-02-21 20:21:13**%: **0.1050 - 0.1050**GreenScreen: **LT-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Binder**

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS  |
|-------------|---|---|
| REP         | EU - Annex VI CMRs                        | Reproductive Toxicity - Category 1B   |
| DEV         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H360D - May damage the unborn child [Reproductive toxicity - Category 1A or 1B]                 |
| SKI         | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                          |
| EYE         | GHS - Australia                           | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]               |
| DEV         | GHS - Australia                           | H361 - Suspected of damaging fertility or the unborn child [Reproductive toxicity - Category 2] |

| 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>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>Formulated Consumer Products |

SUBSTANCE NOTES:

**METHANONE, (1-HYDROXYCYCLOHEXYL)PHENYL-**

ID: 947-19-3

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2024-02-21 20:21:13</b> |                 |                                |
|--|----------------------------|---|-----------------|--------------------------------|
| %: <b>0.0960 - 0.0960</b>  | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</b> |
| HAZARD TYPE  | LIST NAME AND SOURCE       | WARNINGS  |                 |                                |
| EYE  | GHS - New Zealand          | Eye irritation category 2                         |                 |                                |
| ADDITIONAL LISTINGS  | LIST NAME AND SOURCE       | NOTIFICATION                                      |                 |                                |
| None found   |                            | No listings found on Additional Hazard Lists      |                 |                                |

SUBSTANCE NOTES:

**POLY(OXY-1,2-ETHANEDIYL),  $\alpha$ -(1-OXO-2-PROPENYL) - $\omega$ -[(1-OXO-2-PROPENYL)OXY]-**

ID: 26570-48-9

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2024-02-21 20:21:13</b> |                 |                                |
|--|----------------------------|---|-----------------|--------------------------------|
| %: <b>0.0960 - 0.0960</b>  | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</b> |
| HAZARD TYPE  | LIST NAME AND SOURCE       | WARNINGS  |                 |                                |
| None found   |                            | No warnings found on HPD Priority Hazard Lists    |                 |                                |
| ADDITIONAL LISTINGS  | LIST NAME AND SOURCE       | NOTIFICATION                                      |                 |                                |
| None found   |                            | No listings found on Additional Hazard Lists      |                 |                                |

SUBSTANCE NOTES:

**ZINC OXIDE**

ID: 1314-13-2

|  |   |
|--|---|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> | HAZARD SCREENING DATE: <b>2024-02-21 20:21:13</b> |
|--|---|

%: **0.0850 - 0.0850**

GreenScreen: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Antioxidant**

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

SUBSTANCE NOTES:

**BUTANAMIDE, 2,2'-[1,2-ETHANEDIYLBIS(OXY- 2,1-PHENYLENEAZO)]BIS[N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL -5-YL)-3-OXO-**

ID: **77804-81-0**

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

HAZARD SCREENING DATE: **2024-02-21 20:21:13**

%: **0.0530 - 0.0530**

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:

**BENZENEPROPANOIC ACID, 3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY-, 2,2-BIS[[3-[3,5-BIS(1,1-DIMETHYLETHYL) -4-HYDROXYPHENYL]-1-OXOPROPOXY]METHYL ]-1,3-PROPANEDIYL ESTER**

ID: **6683-19-8**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:14**

#: **0.0500 - 0.0500** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antioxidant**

| HAZARD TYPE         | LIST NAME AND SOURCE                        | WARNINGS   |
|---------------------|---|--|
| None found          |   | No warnings found on HPD Priority Hazard Lists   |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                        | NOTIFICATION   |
| POSITIVE LIST       | US Environmental Protection Agency (US EPA) | US EPA - DfE Safer Chemicals Ingredients list (SCIL)<br><br>Preservatives-Antioxidants - Green Circle (Verified Low Concern) |

SUBSTANCE NOTES:

**2-PROPENOIC ACID, 2-HYDROXYETHYL ESTER**

ID: **818-61-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:14**

#: **0.0400 - 0.0400** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS  |
|-------------|---|---|
| SKI         | MAK   | Sensitizing Substance Sh - Danger of skin sensitization   |
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters   |
| 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]  |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]   |
| MAM         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]  |
| 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] |
| SKI         | GHS - New Zealand                           | Skin corrosion category 1C  |
| EYE         | GHS - New Zealand                           | Serious eye damage category 1   |
| EYE         | GHS - Japan                                 | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]   |
| SKI         | GHS - Australia                             | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]  |
| SKI         | GHS - Japan                                 | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]  |
| SKI         | GHS - New Zealand                           | Skin sensitisation category 1   |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1   |
| AQU         | GHS - Japan                                 | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]   |
| MAM         | GHS - Australia                             | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]  |
| AQU         | GHS - Australia                             | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]   |
| MAM         | GHS - Japan                                 | H310 - Fatal in contact with skin [Acute Toxicity (dermal) - Category 2]  |

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

SUBSTANCE NOTES:

**2-PROPENOIC ACID, (1-METHYL-1,2-ETHANEDIYL) BIS[OXY(METHYL-2,1-ETHANEDIYL)] ESTER**

ID: **42978-66-5**

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

HAZARD SCREENING DATE: **2024-02-21 20:21:14**

#: 0.0400 - 0.0400

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Coating**

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS   |
|-------------|---|--|
| SKI         | MAK   | Sensitizing Substance Sh - Danger of skin sensitization  |
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters   |
| SKI         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]   |
| EYE         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                               |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] |
| SKI         | GHS - New Zealand                           | Skin irritation category 2   |
| EYE         | GHS - New Zealand                           | Eye irritation category 2  |
| SKI         | GHS - Australia                             | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]   |
| EYE         | GHS - Australia                             | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                               |
| SKI         | GHS - New Zealand                           | Skin sensitisation category 1  |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 2  |
| AQU         | GHS - Australia                             | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] |
| AQU         | GHS - Japan                                 | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                             |
| AQU         | GHS - Japan                                 | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] |
| EYE         | GHS - Japan                                 | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                             |

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

SUBSTANCE NOTES:

**FATTY ACIDS, C3-24**

ID: **68990-37-4**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:14**

#: 0.0270 - 0.0270

GreenScreen: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                       |
|-------------|----------------------|--|
| None found  |                      | No warnings found on HPD Priority Hazard Lists |

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

**TITANIUM DIOXIDE**

ID: 13463-67-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:14**

#: **0.0270 - 0.0270** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS  |
|-------------|---|---|
| CAN         | US CDC - Occupational Carcinogens         | Occupational Carcinogen   |
| CAN         | CA EPA - Prop 65                          | Carcinogen - specific to chemical form or exposure route  |
| CAN         | IARC                                      | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources  |
| CAN         | MAK                                       | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value  |
| END         | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor   |
| CAN         | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels  |
| CAN         | IARC                                      | Group 2b - Possibly carcinogenic to humans  |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]   |
| CAN         | GHS - Japan                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]   |
| MAM         | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION  |
|---------------------|--|---|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (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>Formulated Consumer 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>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:

**STEARIC ACID**

ID: 57-11-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:14**

#: **0.0270 - 0.0270** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antioxidant**

HAZARD TYPE LIST NAME AND SOURCE WARNINGS

END TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION

None found No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

**ROSIN**

ID: 8050-09-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:15**

#: **0.0270 - 0.0270** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE LIST NAME AND SOURCE WARNINGS

SKI MAK Sensitizing Substance Sh - Danger of skin sensitization

MAM GHS - Japan H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]

SKI GHS - New Zealand Skin sensitisation category 1

AQU GHS - New Zealand Hazardous to the aquatic environment - chronic category 2

REP GHS - Japan H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]

AQU GHS - Japan H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]

AQU GHS - Japan H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]

RES GHS - Japan H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1A]

ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION

None found No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:15**

%: **0.0270 - 0.0270** 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:

**OCTADECANOIC ACID, ZINC SALT**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:15**

%: **0.0270 - 0.0270** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antioxidant**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS  |
|-------------|----------------------|---|
| AQU         | GHS - New Zealand    | Hazardous to the aquatic environment - acute 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 |
|-----------------|---|--|

SUBSTANCE NOTES:

**OCTADECANOIC ACID, BARIUM SALT**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:15**

%: **0.0270 - 0.0270** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antioxidant**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                       |
|-------------|----------------------|--------------------------------|
| SKI         | GHS - New Zealand    | Skin irritation category 2     |
| EYE         | GHS - New Zealand    | Eye irritation category 2      |
| MAM         | GHS - New Zealand    | Acute oral toxicity category 3 |

| 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                |

SUBSTANCE NOTES:

### DIIRON TRIOXIDE

ID: 1309-37-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:15**

%: **0.0270 - 0.0270** 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:

### CARBON BLACK

ID: 1333-86-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:15**

%: **0.0270 - 0.0270** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE | LIST NAME AND SOURCE              | WARNINGS  |
|-------------|-----------------------------------|---|
| CAN         | US CDC - Occupational Carcinogens | Occupational Carcinogen   |
| CAN         | MAK                               | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification  |
| CAN         | CA EPA - Prop 65                  | Carcinogen - specific to chemical form or exposure route  |
| CAN         | IARC                              | Group 2b - Possibly carcinogenic to humans  |
| EYE         | GHS - New Zealand                 | Eye irritation category 2   |
| CAN         | GHS - New Zealand                 | Carcinogenicity category 2  |
| CAN         | GHS - Japan                       | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]   |
| MAM         | GHS - Japan                       | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| PHY         | GHS - Japan                       | H251 - Self-heating;; may catch fire [Self-heating substances and mixtures - Category 1]  |

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

SUBSTANCE NOTES:

**C.I. PIGMENT BLUE 29** ID: 57455-37-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2024-02-21 20:21:15

#: **0.0270 - 0.0270** 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)<br>Colorants - Green Circle (Verified Low Concern) |

SUBSTANCE NOTES:

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

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2024-02-21 20:21:15

#: **0.0270 - 0.0270** GreenScreen: **BM-3** 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)<br>Colorants - Green Circle (Verified Low Concern) |

SUBSTANCE NOTES:

**BENZOIC ACID, 3,3'-[(2,5-DICHLORO-1,4-PHENYLENE) BIS[IMINOCARBONYL(2-HYDROXY-3,1-NAPHTHALENEDIYL) AZO]]BIS[4-METHYL-, BIS(1-METHYLETHYL) ESTER**

ID: 71566-54-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:15**

#: **0.0270 - 0.0270** 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:

**AMINES, N-COCO ALKYLTRIMETHYLENEDI-**

ID: 61791-63-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:15**

#: **0.0270 - 0.0270** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                          |
|-------------|---|-----------------------------------|
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  | NOTIFICATION  |
|---------------------|---------------------------------------|---|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List<br>Antimicrobials |

SUBSTANCE NOTES:

**ALUMINUM HYDROXIDE**

ID: 21645-51-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:16**

#: **0.0270 - 0.0270** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

| 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 (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                               |
| SUBSTANCE NOTES:    |   |  |

**2-PROPENOIC ACID, 2-(HYDROXYMETHYL)-2-[[[1- OXO-2-PROPENYL)OXY]METHYL]-1,3-PROPANEDIYL ESTER**

ID: **3524-68-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:15**

%: **0.0160 - 0.0160** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS   |
|-------------|---|--|
| SKI         | MAK                                       | Sensitizing Substance Sh - Danger of skin sensitization                                |
| SKI         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |
| EYE         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| SKI         | GHS - New Zealand                         | Skin irritation category 2   |
| SKI         | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |
| EYE         | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| CAN         | GHS - Japan                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                      |
| EYE         | GHS - New Zealand                         | Serious eye damage category 1  |
| EYE         | GHS - Japan                               | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]    |
| SKI         | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]               |
| SKI         | GHS - New Zealand                         | Skin sensitisation category 1  |
| AQU         | GHS - New Zealand                         | Hazardous to the aquatic environment - chronic category 2                              |
| MAM         | GHS - New Zealand                         | Acute dermal toxicity category 2   |

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

SUBSTANCE NOTES:

**PARAFFIN WAXES AND HYDROCARBON WAXES,  
MICROCRYST.**

ID: **63231-60-7**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-21 20:21:15**

#: **0.0160 - 0.0160** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                       |
|-------------|----------------------|--|
| None found  |                      | No warnings found on HPD Priority Hazard Lists |

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

SUBSTANCE NOTES:

## Section 3: Certifications and Compliance

*This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.*

| VOC EMISSIONS   | RFCI FloorScore                  |                                       |
|---|----------------------------------|---------------------------------------|
| CERTIFYING PARTY: Third Party   | ISSUE DATE: 2023-03-01 00:00:00  | CERTIFIER OR LAB: SCS Global Services |
| APPLICABLE FACILITIES: All  | EXPIRY DATE: 2024-02-29 00:00:00 |                                       |
| CERTIFICATE URL:<br><a href="https://www.scsglobalservices.com/certified-clients/certificates/34266">https://www.scsglobalservices.com/certified-clients/certificates/34266</a> |                                  |                                       |
| CERTIFICATION AND COMPLIANCE NOTES:   |                                  |                                       |

## Section 4: Accessories

*This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.*

|   |
|---|
| <b>BONDLINK</b><br>MANUFACTURER (OR GENERIC): <b>Taylor Adhesives</b>   |
| HPD URL: No HPD Available   |
| ACCESSORY TYPE: Adhesive  |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Refer to installation instructions for additional information. |

|   |
|---|
| <b>APEX PRO</b><br>MANUFACTURER (OR GENERIC): <b>Taylor Adhesives</b>   |
| HPD URL: No HPD Available   |
| ACCESSORY TYPE: Adhesive  |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Refer to installation instructions for additional information. |

## Section 5: General Notes

Refer to installation instructions and manufacturer's warranty for information about proper use of adhesives/accessories and other important information.



**MANUFACTURER INFORMATION**

MANUFACTURER: **AHF, LLC dba AHF Products**  
 ADDRESS: **3840 Hempland Road**  
**P.O. Box 566**  
**Mountville, PA 17554**  
 COUNTRY: **United States**  
 LATITUDE: **40.0426000**  
 LONGITUDE: **-76.4221000**

WEBSITE: **https://www.ahfproducts.com/**  
 CONTACT NAME: **Commercial Support**  
 TITLE: **Commercial Support**  
 PHONE: **(866) 243-2726**  
 EMAIL: **commercialsupport@ahfproducts.com**

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

|                                       |   |  |
|---------------------------------------|---|--|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <b>RES</b> Respiratory sensitization                 |
| <b>END</b> Endocrine activity         | <b>NEU</b> Neurotoxicity                          | <b>SKI</b> Skin sensitization/irritation/corrosivity |
| <b>EYE</b> Eye irritation/corrosivity | <b>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |  |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |  |

**GreenScreen (GS)**

|   |  |
|---|--|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1) |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)             |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>LT-UNK</b> List Translator Benchmark Unknown                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          | <b>NoGS</b> No GreenScreen.                                    |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |  |

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

**Recycled Types**

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms:**

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

**Inventory Methods:**

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through*

*transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*