

HPD UNIQUE IDENTIFIER: 519413120000  
CLASSIFICATION: 09 51 13 Acoustical Panel Ceilings  
PRODUCT TYPE: Accessories (Acoustical Ceiling)  
PRODUCT DESCRIPTION: 1" Acoustical baffle made with formaldehyde free fiberglass core and digital printed solid wood finish.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

| Inventory Reporting Format                                                                                        | Threshold Level                                                                                                                                                                    | Residuals/Impurities Evaluation                                          |                                                                                    |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <div><input checked="" type="radio"/> Nested Materials Method</div> <div><input type="radio"/> Basic Method</div> | <div><input type="radio"/> 100 ppm</div> <div><input checked="" type="radio"/> 1,000 ppm</div> <div><input type="radio"/> Per GHS SDS</div> <div><input type="radio"/> Other</div> | Completed in 6 of 6 Materials                                            | <i>For all contents above the threshold, the manufacturer has:</i>                 |
| <b>Threshold Disclosed Per</b>                                                                                    |                                                                                                                                                                                    | <b>Explanation(s) provided for Residuals/Impurities?</b>                 | <b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <div><input type="radio"/> Material</div> <div><input checked="" type="radio"/> Product</div>                     |                                                                                                                                                                                    | <div><input checked="" type="radio"/> Yes <input type="radio"/> No</div> | <i>Provided weight and role.</i>                                                   |
|                                                                                                                   |                                                                                                                                                                                    |                                                                          | <b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No      |
|                                                                                                                   |                                                                                                                                                                                    |                                                                          | <i>Provided screening results using HPDC-approved methods.</i>                     |
|                                                                                                                   |                                                                                                                                                                                    |                                                                          | <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

**DECOUSTICS RAW FIBERGLASS CORE** [ **GLASS, OXIDE, CHEMICALS** **LT-UNK** **GLUCOSE** **BM-3** **D-FRUCTOSE** **LT-UNK** **AMMONIUM SULFATE** **LT-P1** | END **1-PROPANAMINE, 3-(TRIETHOXSILYL)-** **LT-UNK** | SKI | MAM | EYE ] **DECOUSTICS ALUMINUM EDGE** [ **ALUMINUM** **BM-1** | END | MAM | PHY **ZINC** **LT-P1** | MUL | AQU **SILICON** **LT-UNK** **MANGANESE** **LT-P1** | END | MUL | REP | MAM | AQU **MAGNESIUM** **LT-UNK** | PHY | MAM | SKI | EYE **IRON** **LT-P1** | END **COPPER** **LT-P1** | MUL | AQU | MAM **CHROMIUM, METALLIC** **LT-P1** | END | SKI | MAM | REP | RES ] **DECOUSTICS FIBERGLASS VEIL** [ **ALUMINA TRIHYDRATE (PRIMARY CASRN IS 21645-51-2)** **BM-2** | SKI | EYE **GLASS, OXIDE, CHEMICALS** **LT-UNK** **POLYVINYL ALCOHOL** **LT-UNK** ] **DECOUSTICS MOUNTING HARDWARE** [ **STEEL** **NoGS** ] **DECOUSTICS UV CURED INKS** [ **2-PROPENOIC ACID, 2-PHENOXYETHYL ESTER** **LT-P1** | MUL **2-PROPENOIC ACID, 1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPT-2-YL ESTER, EXO-** **LT-P1** | SKI | MUL **2-PROPENOIC ACID, (TETRAHYDRO-2-FURANYL)METHYL ESTER** **BM-1** | MUL **OXYBIS(METHYL-2,1-ETHANEDIYL) DIACRYLATE** **LT-UNK** | SKI | EYE **1-VINYLHEXAHYDRO-2H-AZEPIN-2-ONE** **LT-UNK** **2-PROPENOIC ACID, 1,6-HEXANEDIYL ESTER, POLYMER WITH 2-AMINOETHANOL** **LT-UNK** **2-PROPENOIC ACID, ISODECYL ESTER** **LT-P1** | MUL **ETHYL PHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINATE** **LT-P1** | MUL **2-PROPENOIC ACID, 1,6-HEXANEDIYL ESTER** **LT-P1** | SKI | MUL | EYE | AQU ] **DECOUSTICS GLUE #2** [ **UNDISCLOSED** **LT-UNK** | MUL | **UNDISCLOSED** **BM-U** | MUL | END | REP | | MAM | AQU | DEV | NEU **UNDISCLOSED** **BM-4** | ]

Number of Greenscreen BM-4/BM3 contents ... 2  
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1  
Nanomaterial ... No  
**INVENTORY AND SCREENING NOTES:**

This product was screened to the 1000 ppm threshold. Ranges in material percentages are due to variation in composition across product dimensions. Ranges in substance percentages reflect composition data provided by suppliers.

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

Third Party Verified?

☐ Yes

☒ No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2024-08-09

PUBLISHED DATE: 2024-08-09

EXPIRY DATE: 2027-08-09

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)

DECOUSTICS RAW FIBERGLASS CORE %: 58.0900 - 81.1400

|                                                                                                                                                                                                                                                          |                                                    |                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------|
| PRODUCT THRESHOLD: 1000 ppm                                                                                                                                                                                                                              | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Other: Fiberglass Core |
| RESIDUALS AND IMPURITIES NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached.                                                                 |                                                    |                                       |
| OTHER MATERIAL NOTES: This product was screened to the 1000 ppm threshold. Ranges in material percentages are due to variation in composition across product dimensions. Ranges in substance percentages reflect composition data provided by suppliers. |                                                    |                                       |

GLASS, OXIDE, CHEMICALS ID: 65997-17-3

|                                                                                                                                                                                                                                                                                             |                                              |                                                  |                                                             |                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                                                                                                                                            |                                              | HAZARD SCREENING DATE: <b>2024-08-09 7:39:21</b> |                                                             |                                            |
| %: <b>88.0000 - 96.0000</b>                                                                                                                                                                                                                                                                 | GreenScreen: <b>LT-UNK</b>                   | RC: <b>None</b>                                  | NANO: <b>Unknown</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                                                |                                            |
| EXEMPT                                                                                                                                                                                                                                                                                      | European Union / European Commission (EU EC) |                                                  | EU - REACH Exemptions                                       |                                            |
|                                                                                                                                                                                                                                                                                             |                                              |                                                  | Exempted from REACH Annex V listing due to intrinsic safety |                                            |
| SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section. |                                              |                                                  |                                                             |                                            |

GLUCOSE ID: 50-99-7

|                                                           |                      |                                                |               |                        |
|-----------------------------------------------------------|----------------------|------------------------------------------------|---------------|------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      | HAZARD SCREENING DATE: 2024-08-09 7:39:22      |               |                        |
| %: 1.0000 - 15.0000                                       | GreenScreen: BM-3    | RC: None                                       | NANO: Unknown | 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                                                                              |
|---------------------|----------------------------------------------|-------------------------------------------------------------------------------------------|
| EXEMPT              | European Union / European Commission (EU EC) | EU - REACH Exemptions<br><br>Exempted from REACH Annex IV listing due to intrinsic safety |

SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

D-FRUCTOSE

ID: 57-48-7

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                              |                                                                                           | HAZARD SCREENING DATE: <b>2024-08-09 7:39:22</b> |                               |
|------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------|
| %: <b>1.0000 - 10.0000</b>                                       | GreenScreen: <b>LT-UNK</b>                   | RC: <b>None</b>                                                                           | NANO: <b>Unknown</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                                                                              |                                                  |                               |
| EXEMPT                                                           | European Union / European Commission (EU EC) | EU - REACH Exemptions<br><br>Exempted from REACH Annex IV listing due to intrinsic safety |                                                  |                               |

SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

AMMONIUM SULFATE

ID: 7783-20-2

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                         |                                                                                                                                                        | HAZARD SCREENING DATE: <b>2024-08-09 7:39:22</b> |                                  |
|------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------|
| %: <b>1.0000 - 10.0000</b>                                       | GreenScreen: <b>LT-P1</b>                               | RC: <b>None</b>                                                                                                                                        | NANO: <b>Unknown</b>                             | SUBSTANCE ROLE: <b>Activator</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                               |                                                  |                                  |
| END                                                              | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor                                                                                                                          |                                                  |                                  |
| 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials |                                                  |                                  |

SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

1-PROPANAMINE, 3-(TRIETHOXSILYL)-

ID: 919-30-2

|                                                           |                                           |                                                                                                         |                                           |                           |
|-----------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                           |                                                                                                         | HAZARD SCREENING DATE: 2024-08-09 7:39:23 |                           |
| %: 0.1000 - 2.0000                                        | GreenScreen: LT-UNK                       | RC: None                                                                                                | NANO: Unknown                             | SUBSTANCE ROLE: Activator |
| 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                               | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |                                           |                           |
| 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 - 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]    |                                           |                           |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                      | NOTIFICATION                                                                                            |                                           |                           |
| None found                                                |                                           | No listings found on Additional Hazard Lists                                                            |                                           |                           |

SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

DECOUSTICS ALUMINUM EDGE

%: 5.0600 - 29.0000

|                                                                                                                                                                                                                                                          |                                                    |                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------|
| PRODUCT THRESHOLD: 1000 ppm                                                                                                                                                                                                                              | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached.                                                                 |                                                    |                      |
| OTHER MATERIAL NOTES: This product was screened to the 1000 ppm threshold. Ranges in material percentages are due to variation in composition across product dimensions. Ranges in substance percentages reflect composition data provided by suppliers. |                                                    |                      |

ALUMINUM

ID: 7429-90-5

|                                                           |                   |          |                                           |                               |
|-----------------------------------------------------------|-------------------|----------|-------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   |          | HAZARD SCREENING DATE: 2024-08-09 7:39:22 |                               |
| %: 90.0000 - 95.0000                                      | GreenScreen: BM-1 | RC: None | NANO: Unknown                             | SUBSTANCE ROLE: Alloy element |

| HAZARD TYPE                                                                                                                                                                                                                                                                                 | LIST NAME AND SOURCE                                   | WARNINGS                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END                                                                                                                                                                                                                                                                                         | TEDX - Potential Endocrine Disruptors                  | Potential Endocrine Disruptor                                                                                                                             |
| 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]                                          |
| PHY                                                                                                                                                                                                                                                                                         | GHS - Japan                                            | H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]             |
| PHY                                                                                                                                                                                                                                                                                         | GHS - Malaysia                                         | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                  |
| PHY                                                                                                                                                                                                                                                                                         | GHS - Australia                                        | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                  |
| PHY                                                                                                                                                                                                                                                                                         | GHS - New Zealand                                      | Pyrophoric solids category 1                                                                                                                              |
| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                                         | LIST NAME AND SOURCE                                   | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST                                                                                                                                                                                                                                                                             | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials    |
| RESTRICTED LIST                                                                                                                                                                                                                                                                             | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                                  |
| SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section. |                                                        |                                                                                                                                                           |

ZINC

ID: 7440-66-6

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             |                                                           | HAZARD SCREENING DATE: <b>2024-08-09 7:39:25</b> |                                      |
|------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|--------------------------------------|
| %: <b>0.0000 - 5.0000</b>                                        | GreenScreen: <b>LT-P1</b>                   | RC: <b>None</b>                                           | NANO: <b>Unknown</b>                             | SUBSTANCE ROLE: <b>Alloy element</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                        | WARNINGS                                                  |                                                  |                                      |
| MUL                                                              | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                         |                                                  |                                      |
| AQU                                                              | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1   |                                                  |                                      |
| AQU                                                              | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 1 |                                                  |                                      |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                           |
|---------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                                                            |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |

SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

SILICON

ID: 7440-21-3

|                                                                  |                            |                                                |                                                  |                                      |
|------------------------------------------------------------------|----------------------------|------------------------------------------------|--------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                | HAZARD SCREENING DATE: <b>2024-08-09 7:39:24</b> |                                      |
| %: <b>0.0000 - 5.0000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                | NANO: <b>Unknown</b>                             | SUBSTANCE ROLE: <b>Alloy element</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: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

MANGANESE

ID: 7439-96-5

|                                                                  |                           |                 |                                                  |                                      |  |
|------------------------------------------------------------------|---------------------------|-----------------|--------------------------------------------------|--------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           |                 | HAZARD SCREENING DATE: <b>2024-08-09 7:39:24</b> |                                      |  |
| %: <b>0.0000 - 5.0000</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>Unknown</b>                             | SUBSTANCE ROLE: <b>Alloy element</b> |  |

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                                                  |
|-------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END         | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                                                                             |
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                                                                                         |
| REP         | GHS - Japan                                 | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]                                                                     |
| 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]                   |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 3                                                                                                 |
| 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     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |

SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

|                                                           |                     |                                           |                                             |
|-----------------------------------------------------------|---------------------|-------------------------------------------|---------------------------------------------|
| MAGNESIUM                                                 |                     | ID: 7439-95-4                             |                                             |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     | HAZARD SCREENING DATE: 2024-08-09 7:39:23 |                                             |
| %, 0.0000 - 5.0000                                        | GreenScreen: LT-UNK | RC: None                                  | NANO: Unknown SUBSTANCE ROLE: Alloy element |

| HAZARD TYPE         | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                                       |
|---------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PHY                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1] |
| PHY                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                                       |
| MAM                 | GHS - Japan                               | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                                        |
| PHY                 | GHS - Australia                           | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                                       |
| SKI                 | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                                       |
| PHY                 | GHS - Australia                           | H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1] |
| 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: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

| IRON                                                             |                                       | ID: 7439-89-6                                    |                                                           |
|------------------------------------------------------------------|---------------------------------------|--------------------------------------------------|-----------------------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                       | HAZARD SCREENING DATE: <b>2024-08-09 7:39:23</b> |                                                           |
| %: <b>0.0000 - 5.0000</b>                                        | GreenScreen: <b>LT-P1</b>             | RC: <b>None</b>                                  | NANO: <b>Unknown</b> SUBSTANCE ROLE: <b>Alloy element</b> |
| 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: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

|                                                                  |  |                                                  |  |
|------------------------------------------------------------------|--|--------------------------------------------------|--|
| COPPER                                                           |  | ID: 7440-50-8                                    |  |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |  | HAZARD SCREENING DATE: <b>2024-08-09 7:39:22</b> |  |

%: 0.0000 - 5.0000

GreenScreen: LT-P1

RC: None

NANO: Unknown

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                               |
|---------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| MUL                 | German FEA - Substances Hazardous to Waters              | Class 3 - Severe Hazard to Waters                                                                                                                      |
| 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]                                   |
| MAM                 | GHS - Japan                                              | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                |
| 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                                                                                                                                           |
| 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>Antimicrobials                                                                                            |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |

SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

CHROMIUM, METALLIC

ID: 7440-47-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-08-09 7:39:25

%: 0.0000 - 1.0000

GreenScreen: LT-P1

RC: None

NANO: Unknown

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE | LIST NAME AND SOURCE                  | WARNINGS                                                                                                                   |
|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| END         | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor                                                                                              |
| 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]                    |
| REP         | GHS - New Zealand                     | Reproductive toxicity 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                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                                                                                                                                                                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                                                                                                                                                                                                                                             |                                                         | Children's Products                                                                           |
| RESTRICTED LIST                                                                                                                                                                                                                                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                                                                                                                                                                                                                                             |                                                         | Cosmetics & Personal Care Products                                                            |
| SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section. |                                                         |                                                                                               |

DECOUSTICS FIBERGLASS VEIL      %: 7.6000 - 9.9000

PRODUCT THRESHOLD: 1000 ppm    RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes    MATERIAL TYPE: Other: Fiberglass Veil

RESIDUALS AND IMPURITIES NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached.

OTHER MATERIAL NOTES: This product was screened to the 1000 ppm threshold. Ranges in material percentages are due to variation in composition across product dimensions. Ranges in substance percentages reflect composition data provided by suppliers.

ALUMINA TRIHYDRATE (PRIMARY CASRN IS 21645-51-2) ID: 8064-00-4

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                         | HAZARD SCREENING DATE: <b>2024-08-09 7:39:26</b>                                              |                                                                 |
|------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| %: <b>60.0000 - 80.0000</b>                                      | GreenScreen: <b>BM-2</b>                                | RC: <b>None</b>                                                                               | NANO: <b>Unknown</b> SUBSTANCE ROLE: <b>Structure component</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 (C2CPII) | C2C Certified v4.0 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                                                 |
|                                                                  |                                                         | Children's Products                                                                           |                                                                 |

SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

GLASS, OXIDE, CHEMICALS

ID: 65997-17-3

|                                                                  |                                              |                 |                                                                                          |                                            |  |
|------------------------------------------------------------------|----------------------------------------------|-----------------|------------------------------------------------------------------------------------------|--------------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                              |                 | HAZARD SCREENING DATE: <b>2024-08-09 7:39:26</b>                                         |                                            |  |
| %: <b>20.0000 - 30.0000</b>                                      | GreenScreen: <b>LT-UNK</b>                   | RC: <b>None</b> | NANO: <b>Unknown</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                                                                             |                                            |  |
| EXEMPT                                                           | European Union / European Commission (EU EC) |                 | EU - REACH Exemptions<br><br>Exempted from REACH Annex V listing due to intrinsic safety |                                            |  |

SUBSTANCE NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

POLYVINYL ALCOHOL

ID: 9002-89-5

|                                                                  |                            |                                                |                                                  |                               |
|------------------------------------------------------------------|----------------------------|------------------------------------------------|--------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                | HAZARD SCREENING DATE: <b>2024-08-09 7:39:25</b> |                               |
| %: <b>5.0000 - 10.0000</b>                                       | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                | NANO: <b>Unknown</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: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section.

DECOUSTICS MOUNTING HARDWARE

%: 0.4300 - 2.4700

|                                                                                                                                                                                                                                                          |                                                    |                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------|
| PRODUCT THRESHOLD: 1000 ppm                                                                                                                                                                                                                              | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached.                                                                 |                                                    |                      |
| OTHER MATERIAL NOTES: This product was screened to the 1000 ppm threshold. Ranges in material percentages are due to variation in composition across product dimensions. Ranges in substance percentages reflect composition data provided by suppliers. |                                                    |                      |

|                                                                                                                                                                                                                                                                                             |                          |                 |                                                  |                                            |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|--------------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                                                                                                                                            |                          |                 | HAZARD SCREENING DATE: <b>2024-08-09 7:39:25</b> |                                            |  |
| %: <b>95.0000 - 100.0000</b>                                                                                                                                                                                                                                                                | GreenScreen: <b>NoGS</b> | RC: <b>None</b> | NANO: <b>Unknown</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: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached. The raw material range is reflective of the products within this HPD as noted in the Product Description Section. |                          |                 |                                                  |                                            |  |

DECOUSTICS UV CURED INKS

%: 1.9800 - 2.4200

PRODUCT THRESHOLD: 1000 ppm    RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes    MATERIAL TYPE: Other: UV Cured Ink

RESIDUALS AND IMPURITIES NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached.

OTHER MATERIAL NOTES: This product was screened to the 1000 ppm threshold. Ranges in material percentages are due to variation in composition across product dimensions. Ranges in substance percentages reflect composition data provided by suppliers.

2-PROPENOIC ACID, 2-PHENOXYETHYL ESTER

ID: 48145-04-6

|                                                                                        |                                             |                 |                                                  |                                  |
|----------------------------------------------------------------------------------------|---------------------------------------------|-----------------|--------------------------------------------------|----------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                       |                                             |                 | HAZARD SCREENING DATE: <b>2024-08-09 7:39:25</b> |                                  |
| %: <b>14.4000 - 26.5000</b>                                                            | GreenScreen: <b>LT-P1</b>                   | RC: <b>None</b> | NANO: <b>Unknown</b>                             | SUBSTANCE ROLE: <b>Activator</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: Ink formulation information has been relayed by the ink manufacturer. |                                             |                 |                                                  |                                  |

2-PROPENOIC ACID, 1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPT-2-YL ESTER, EXO-

ID: 5888-33-5

|                                                                  |                           |                 |                                                  |                               |  |
|------------------------------------------------------------------|---------------------------|-----------------|--------------------------------------------------|-------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           |                 | HAZARD SCREENING DATE: <b>2024-08-09 7:39:25</b> |                               |  |
| %: <b>10.9000 - 25.5000</b>                                      | GreenScreen: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>Unknown</b>                             | SUBSTANCE ROLE: <b>Binder</b> |  |

| 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                       |
| ADDITIONAL LISTINGS                                                                    | LIST NAME AND SOURCE                        | NOTIFICATION                                            |
| None found                                                                             |                                             | No listings found on Additional Hazard Lists            |
| SUBSTANCE NOTES: Ink formulation information has been relayed by the ink manufacturer. |                                             |                                                         |

2-PROPENOIC ACID, (TETRAHYDRO-2-FURANYL)METHYL ESTER

ID: 2399-48-6

|                                                                                        |                                             |                                                  |                                              |                                            |
|----------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------|----------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                       |                                             | HAZARD SCREENING DATE: <b>2024-08-09 7:39:26</b> |                                              |                                            |
| %: <b>9.4000 - 18.7728</b>                                                             | GreenScreen: <b>BM-1</b>                    | RC: <b>None</b>                                  | NANO: <b>Unknown</b>                         | SUBSTANCE ROLE: <b>Abrasion resistance</b> |
| HAZARD TYPE                                                                            | LIST NAME AND SOURCE                        |                                                  | WARNINGS                                     |                                            |
| MUL                                                                                    | German FEA - Substances Hazardous to Waters |                                                  | Class 2 - Hazard to Waters                   |                                            |
| ADDITIONAL LISTINGS                                                                    | LIST NAME AND SOURCE                        |                                                  | NOTIFICATION                                 |                                            |
| None found                                                                             |                                             |                                                  | No listings found on Additional Hazard Lists |                                            |
| SUBSTANCE NOTES: Ink formulation information has been relayed by the ink manufacturer. |                                             |                                                  |                                              |                                            |

OXYBIS(METHYL-2,1-ETHANEDIYL) DIACRYLATE

ID: 57472-68-1

|                                                                                        |                            |                 |                                                  |                                           |
|----------------------------------------------------------------------------------------|----------------------------|-----------------|--------------------------------------------------|-------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                       |                            |                 | HAZARD SCREENING DATE: <b>2024-08-09 7:39:25</b> |                                           |
| %: <b>7.7220 - 18.1500</b>                                                             | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>Unknown</b>                             | SUBSTANCE ROLE: <b>Viscosity modifier</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                                     |                                           |
| None found                                                                             |                            |                 | No listings found on Additional Hazard Lists     |                                           |
| SUBSTANCE NOTES: Ink formulation information has been relayed by the ink manufacturer. |                            |                 |                                                  |                                           |

1-VINYLHEXAHYDRO-2H-AZEPIN-2-ONE

ID: 2235-00-9

|                                                           |                                           |
|-----------------------------------------------------------|-------------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2024-08-09 7:39:25 |
|-----------------------------------------------------------|-------------------------------------------|

%: 7.9500 - 15.5000GreenScreen: LT-UNKRC: NoneNANO: UnknownSUBSTANCE 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                                   |
| None found                                                                            |                      | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES: Ink formluation information has been relayed by the ink maufacturer. |                      |                                                |

2-PROPENOIC ACID, 1,6-HEXANEDIYL ESTER, POLYMER WITH2-AMINOETHANOLID: 67906-98-3

|                                                                                       |                            |                 |                                                  |                                        |
|---------------------------------------------------------------------------------------|----------------------------|-----------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                      |                            |                 | HAZARD SCREENING DATE: <b>2024-08-09 7:39:25</b> |                                        |
| %: <b>4.0500 - 10.2500</b>                                                            | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>Unknown</b>                             | SUBSTANCE ROLE: <b>Polymer species</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: Ink formluation information has been relayed by the ink maufacturer. |                            |                 |                                                  |                                        |

2-PROPENOIC ACID, ISODECYL ESTERID: 1330-61-6

|                                                                                        |                                             |                 |                                                  |                                  |
|----------------------------------------------------------------------------------------|---------------------------------------------|-----------------|--------------------------------------------------|----------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                       |                                             |                 | HAZARD SCREENING DATE: <b>2024-08-09 7:39:26</b> |                                  |
| %: <b>3.4000 - 8.0000</b>                                                              | GreenScreen: <b>LT-P1</b>                   | RC: <b>None</b> | NANO: <b>Unknown</b>                             | SUBSTANCE ROLE: <b>Activator</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                                     |                                  |
| RESTRICTED LIST                                                                        | Green Science Policy Institute (GSPI)       |                 | GSPI - Six Classes Precautionary List            |                                  |
|                                                                                        |                                             |                 | Some Solvents                                    |                                  |
| SUBSTANCE NOTES: Ink formulation information has been relayed by the ink manufacturer. |                                             |                 |                                                  |                                  |

ETHYL PHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINATEID: 84434-11-7

|                                                           |  |                                           |  |  |
|-----------------------------------------------------------|--|-------------------------------------------|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |  | HAZARD SCREENING DATE: 2024-08-09 7:39:26 |  |  |
|-----------------------------------------------------------|--|-------------------------------------------|--|--|

%: **2.0000 - 6.0000**

GreenScreen: **LT-P1**

RC: **None**

NANO: **Unknown**

SUBSTANCE ROLE: **Photoinitiator**

| 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: Ink formulation information has been relayed by the ink manufacturer. |                                             |                                              |

2-PROPENOIC ACID, 1,6-HEXANEDIYL ESTER

ID: **13048-33-4**

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

HAZARD SCREENING DATE: **2024-08-09 7:39:27**

%: **0.8900 - 5.5000**

GreenScreen: **LT-P1**

RC: **None**

NANO: **Unknown**

SUBSTANCE ROLE: **Diluent**

| 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   | 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                                                                                                |
| 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 - 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] |
| ADDITIONAL LISTINGS                                                                    | LIST NAME AND SOURCE                        | NOTIFICATION                                                                                                              |
| None found                                                                             |                                             | No listings found on Additional Hazard Lists                                                                              |
| SUBSTANCE NOTES: Ink formulation information has been relayed by the ink manufacturer. |                                             |                                                                                                                           |

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: All materials have been screened through the HPD Builder tool and residuals and impurities have been noted when 1000 ppm reporting threshold is reached.

OTHER MATERIAL NOTES: This product was screened to the 1000 ppm threshold. Ranges in material percentages are due to variation in composition across product dimensions. Ranges in substance percentages reflect composition data provided by suppliers.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Chemical Hazard Screening Library

HAZARD SCREENING DATE: 2024-07-29 9:13:24

%: 70.0000 - 80.0000

GreenScreen: LT-UNK

RC: None

NANO: Unknown

SUBSTANCE ROLE: Adhesive

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

MUL

German FEA - Substances Hazardous to Waters

Mult\*

EC - CEPA DSL

Persistence

MUL

EC - CEPA DSL

Mult\*

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: All raw materials of this adhesive are proprietary, information has been reviewed from our supplier under NDA and reviewed within 3E Exchange.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Chemical Hazard Screening Library

HAZARD SCREENING DATE: 2024-07-29 9:13:26

%: 10.0000 - 15.0000

GreenScreen: BM-U

RC: None

NANO: Unknown

SUBSTANCE ROLE: Flame retardant

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                        |
|-------------|---------------------------------------------|---------------------------------|
| MUL         | ChemSec - SIN List                          | Mult*                           |
| END         | TEDX - Potential Endocrine Disruptor        | Endocrine Activity              |
| REP         | Japan - GHS                                 | Reproductive Toxicity           |
| MUL         | German FEA - Substances Hazardous to Waters | Mult*                           |
|             | EC - CEPA DSL                               | Persistence                     |
| MAM         | Japan - GHS                                 | Acute Mammalian Toxicity        |
| MAM         | Korea - GHS                                 | Acute Mammalian Toxicity        |
| MUL         | Japan - GHS                                 | Mult*                           |
| MUL         | Korea - GHS                                 | Mult*                           |
| AQU         | Japan - GHS                                 | Acute Aquatic Toxicity          |
| MAM         | Australia - GHS                             | Acute Mammalian Toxicity        |
| AQU         | New Zealand - GHS                           | Chronic Aquatic Toxicity        |
| DEV         | Australia - GHS                             | Developmental Toxicity          |
| REP         | Australia - GHS                             | Reproductive Toxicity           |
| NEU         | Japan - GHS                                 | Neurotoxicity (Single Exposure) |

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

SUBSTANCE NOTES: All raw materials of this adhesive are proprietary, information has been reviewed from our supplier under NDA and reviewed within 3E Exchange.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library**

HAZARD SCREENING DATE: **2024-07-29 9:13:27**

%: **5.0000 - 10.0000**

GreenScreen: **BM-4**

RC: **None**

NANO: **Unknown**

SUBSTANCE ROLE: **Dispersant**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS    |
|-------------|----------------------|-------------|
|             | EC - CEPA DSL        | Persistence |

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

SUBSTANCE NOTES: All raw materials of this adhesive are proprietary, information has been reviewed from our supplier under NDA and reviewed within 3E Exchange.

### 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                                                                                                                                                                                                                                                              |  | CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|---------------------------|
| CERTIFYING PARTY: Third Party                                                                                                                                                                                                                                              |  | ISSUE DATE: 2023-06-13 00:00:00                                              | CERTIFIER OR LAB: Berkley |
| APPLICABLE FACILITIES: All facilities                                                                                                                                                                                                                                      |  | EXPIRY DATE:                                                                 | Analytical                |
| CERTIFICATE URL:                                                                                                                                                                                                                                                           |  |                                                                              |                           |
| CERTIFICATION AND COMPLIANCE NOTES: Berkley analytical June 13, 2023 Cert# 230613-07, California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017 (Emission testing method for CA Specification 01350), Digital Printed Claro (Wood grain) product? |  |                                                                              |                           |

### Section 4: Accessories

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

No accessories are required for this product.

### Section 5: General Notes

This Health Product Declaration was self prepared prepared by CertainTeed Decoustics. Mounting hardware for installation is included in the material inventory for this HPD. For further information about installation, use, and maintenance, please visit <https://decoustics.com/> or <https://saintgobain.ecomedes.com/>

**MANUFACTURER INFORMATION**

MANUFACTURER: **Saint Gobain**  
 ADDRESS: **61 Royal Group Crescent**  
**Woodbridge, Ontario L4H 1X9**  
 COUNTRY: **Canada**

WEBSITE: **<https://decoustics.com/>**  
 CONTACT NAME: **Lou Bartella**  
 TITLE: **Senior Engineering and Operations Manager**  
 PHONE: **905-652-5227**  
 EMAIL: **[Lou.Bartella@saint-gobain.com](mailto:Lou.Bartella@saint-gobain.com)**

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

**KEY**
**Hazard Types**

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

**GreenScreen (GS)**

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

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

**Recycled Types**

|                                                     |
|-----------------------------------------------------|
| <b>PreC</b> Pre-consumer recycled content           |
| <b>PostC</b> Post-consumer recycled content         |
| <b>UNK</b> Inclusion of recycled content is unknown |
| <b>None</b> Does not include recycled content       |

**Other Terms:**

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

**Inventory Methods:**

|                                           |                                                                             |
|-------------------------------------------|-----------------------------------------------------------------------------|
| <b>Nested Method / Material Threshold</b> | Substances listed within each material per threshold indicated per material |
| <b>Nested Method / Product Threshold</b>  | Substances listed within each material per threshold indicated per product  |
| <b>Basic Method / Product Threshold</b>   | Substances listed individually per threshold indicated per product          |

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

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

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

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

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

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

