

**HPD UNIQUE IDENTIFIER:** 1538282496

**CLASSIFICATION:** 09 65 16.23 Vinyl Sheet Flooring

**PRODUCT DESCRIPTION:** Engineered for fitness, sports, play, or recovery – Ecore's rubber flooring complements any architectural design, no matter the specifications. From tracks to courts and every athletic space in between, our quality rubber surfaces are truly multi-solution. We make it easy to choose the right rubber flooring that's durable, beautiful, and safe for any space. This HPD include Desert & River products.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

| Inventory Reporting Format                               | Threshold Level                            | Residuals/Impurities Evaluation                               |                                                                                    |
|----------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------|
| <input checked="" type="radio"/> Nested Materials Method | <input type="radio"/> 100 ppm              | Completed in 10 of 10 Materials                               | <i>For all contents above the threshold, the manufacturer has:</i>                 |
| <input type="radio"/> Basic Method                       | <input checked="" type="radio"/> 1,000 ppm | <b>Explanation(s) provided for Residuals/Impurities?</b>      | <b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <b>Threshold Disclosed Per</b>                           | <input type="radio"/> Per GHS SDS          |                                                               | <i>Provided weight and role.</i>                                                   |
| <input type="radio"/> Material                           | <input type="radio"/> Other                | <input checked="" type="radio"/> Yes <input type="radio"/> No | <b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No      |
| <input checked="" type="radio"/> Product                 |                                            |                                                               | <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

**RECLAIMED RUBBER** [ **RUBBER, RECLAIMED** **NoGS** ] **WEAR LAYER** [ **POLYVINYL CHLORIDE** **LT-P1** ] MAM **UNDISCLOSED** **BM-3dg** **LIMESTONE** **BM-3dg** **CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE** **LT-UNK** **EPOXIDIZED SOYBEAN OIL** **LT-P1** ] AQU **UNDISCLOSED** **LT-P1** ] MUL **UNDISCLOSED** **BM-1** ] CAN | END | MAM **UNDISCLOSED** **LT-P1** ] SKI | MUL | EYE | AQU **UNDISCLOSED** **LT-UNK** ] SKI | EYE **UNDISCLOSED** **LT-P1** ] MUL **UNDISCLOSED** **LT-P1** ] MUL ] **BINDER** [ **POLY[OXY(METHYL-1,2-ETHANEDIYL)]**, **.ALPHA.-HYDRO-.OMEGA.-HYDROXY-, POLYMER WITH 1,1'-METHYLENEBIS[ISOCYANATOBENZENE]** **LT-P1** ] SKI | EYE | MAM **4,4'-DIPHENYLMETHANE DIISOCYANATE** **LT-UNK** ] CAN | RES | SKI | EYE | MAM **DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC** **LT-UNK** ] SKI | EYE | CAN | MAM ] **CATALYST** [ **WATER** **BM-4** ] **ADHESIVE** [ **UNDISCLOSED** **BM-3dg** **UNDISCLOSED** **LT-UNK** **UNDISCLOSED** **LT-UNK** **UNDISCLOSED** **LT-UNK** ] EYE **UNDISCLOSED** **LT-P1** ] EYE **UNDISCLOSED** **LT-UNK** ] SKI | EYE | CAN | MAM **UNDISCLOSED** **NoGS** **UNDISCLOSED** **BM-4** **UNDISCLOSED** **BM-1** ] CAN | MAM | GEN **UNDISCLOSED** **LT-1** ] END | DEV | REP | MUL | CAN | MAM | GEN | SKI | EYE | AQU **UNDISCLOSED** **LT-UNK** ] SKI | EYE | MAM **UNDISCLOSED** **NoGS** **UNDISCLOSED** **LT-1** ] CAN | EYE | AQU | MAM | SKI | REP ]

Number of Greenscreen BM-4/BM3 contents ... 6

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

HPD prepared using a Nested Materials Inventory with a product threshold at 1000 ppm. The content inventory includes Desert & River products. These products don't contain materials with Special Conditions (reaction products, defined substances, recycled content - mixture). Substances present in Ecore International, as well as known impurities, have been disclosed at 1000 ppm. Some ingredients are alternative ingredients in the same component. Some ingredient are not disclosed because they are proprietaries. More details about how residuals and impurities were considered available in the appropriate sections.

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 V1.1 (Section 01350/CHPS) - Zero VOC emissions

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Third Party Verified?

☐ Yes

☒ No

PREPARER: **Vertima**

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2025-08-20

PUBLISHED DATE: 2025-08-20

EXPIRY DATE: 2028-08-20

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)

RECLAIMED RUBBER

%: 74.3500

PRODUCT THRESHOLD: 1000 ppm    RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No    MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Based on manufacturer information, no residuals and imputies evaluation has been performed as rubber used in the product are reclaimed rubber.

OTHER MATERIAL NOTES: Based on manufacturer information, rubber used in the product are reclaimed rubber from wheel.

RUBBER, RECLAIMED

ID: 139497-04-4

|                                                                                                       |                          |                 |                                                  |                                            |  |
|-------------------------------------------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|--------------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                      |                          |                 | HAZARD SCREENING DATE: <b>2025-08-20 7:01:13</b> |                                            |  |
| %: <b>100.0000</b>                                                                                    | GreenScreen: <b>NoGS</b> | RC: <b>Both</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Structure component</b> |  |
| HAZARD TYPE                                                                                           | LIST NAME AND SOURCE     |                 | WARNINGS                                         |                                            |  |
| None found                                                                                            |                          |                 | No warnings found on HPD Priority Hazard Lists   |                                            |  |
| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE     |                 | NOTIFICATION                                     |                                            |  |
| None found                                                                                            |                          |                 | No listings found on Additional Hazard Lists     |                                            |  |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                          |                 |                                                  |                                            |  |

WEAR LAYER

%: 18.5400

PRODUCT THRESHOLD: 1000 ppm    RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes    MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

OTHER MATERIAL NOTES: This is a structural component.

POLYVINYL CHLORIDE

ID: 9002-86-2

|                                                           |                    |          |                                           |                                 |  |
|-----------------------------------------------------------|--------------------|----------|-------------------------------------------|---------------------------------|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    |          | HAZARD SCREENING DATE: 2025-08-20 7:01:13 |                                 |  |
| %: 61.3000                                                | GreenScreen: LT-P1 | RC: None | NANO: No                                  | SUBSTANCE ROLE: Polymer species |  |

| HAZARD TYPE                                                                                           | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAM                                                                                                   | GHS - Japan                                             | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                                       |
| MAM                                                                                                   | GHS - Japan                                             | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]                     |
| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                                                  |
| RESTRICTED LIST                                                                                       | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                                    |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions                                                        |
| RESTRICTED LIST                                                                                       | International Living Future Institute (ILFI)            | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025<br><br>Red List substances to avoid in Living Building Challenge V4.0 projects |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Avoidance of Organohalogens and Functionally Related Chemical Classes of Concern    |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                                         |                                                                                                                                                                               |

UNDISCLOSED

ID: **Undisclosed**

|                                                                                                       |                                       |                 |                                                  |                                    |
|-------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------|--------------------------------------------------|------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                      |                                       |                 | HAZARD SCREENING DATE: <b>2025-08-20 7:01:14</b> |                                    |
| %: <b>22.1000</b>                                                                                     | GreenScreen: <b>BM-3dg</b>            | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Plasticizer</b> |
| HAZARD TYPE                                                                                           | LIST NAME AND SOURCE                  |                 | WARNINGS                                         |                                    |
| None found                                                                                            |                                       |                 | No warnings found on HPD Priority Hazard Lists   |                                    |
| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                  |                 | NOTIFICATION                                     |                                    |
| RESTRICTED LIST                                                                                       | Green Science Policy Institute (GSPI) |                 | GSPI - Six Classes Precautionary List            |                                    |
|                                                                                                       |                                       |                 | Some Solvents                                    |                                    |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                       |                 |                                                  |                                    |

|                                                                                                       |                            |                                                |                                                  |                               |
|-------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------|--------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                      |                            |                                                | HAZARD SCREENING DATE: <b>2025-08-20 7:01:14</b> |                               |
| %: <b>10.1000</b>                                                                                     | GreenScreen: <b>BM-3dg</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Filler</b> |
| HAZARD TYPE                                                                                           | LIST NAME AND SOURCE       | WARNINGS                                       |                                                  |                               |
| None found                                                                                            |                            | No warnings found on HPD Priority Hazard Lists |                                                  |                               |
| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE       | NOTIFICATION                                   |                                                  |                               |
| None found                                                                                            |                            | No listings found on Additional Hazard Lists   |                                                  |                               |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                            |                                                |                                                  |                               |

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

|                                                                                                       |                                              |                 |                                                             |                                          |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------|-------------------------------------------------------------|------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                      |                                              |                 | HAZARD SCREENING DATE: <b>2025-08-20 7:01:15</b>            |                                          |
| %: <b>2.0000</b>                                                                                      | GreenScreen: <b>LT-UNK</b>                   | RC: <b>None</b> | NANO: <b>No</b>                                             | SUBSTANCE ROLE: <b>Textile 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: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                              |                 |                                                             |                                          |

EPOXIDIZED SOYBEAN OIL

ID: 8013-07-8

|                                                                                                       |                           |                 |                                                           |                                    |
|-------------------------------------------------------------------------------------------------------|---------------------------|-----------------|-----------------------------------------------------------|------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                      |                           |                 | HAZARD SCREENING DATE: <b>2025-08-20 7:01:15</b>          |                                    |
| %: <b>1.8000</b>                                                                                      | GreenScreen: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b>                                           | SUBSTANCE ROLE: <b>Plasticizer</b> |
| HAZARD TYPE                                                                                           | LIST NAME AND SOURCE      |                 | WARNINGS                                                  |                                    |
| AQU                                                                                                   | GHS - New Zealand         |                 | Hazardous to the aquatic environment - chronic category 2 |                                    |
| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE      |                 | NOTIFICATION                                              |                                    |
| None found                                                                                            |                           |                 | No listings found on Additional Hazard Lists              |                                    |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                           |                 |                                                           |                                    |

|                                                                                                       |                                             |                 |                                                  |                                   |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------|--------------------------------------------------|-----------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                      |                                             |                 | HAZARD SCREENING DATE: <b>2025-08-20 7:01:16</b> |                                   |
| %: <b>1.1000</b>                                                                                      | GreenScreen: <b>LT-P1</b>                   | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Stabilizer</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: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                             |                 |                                                  |                                   |

|                                                                  |                                           |                                                                                                                                                           |                                                  |                                |
|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           |                                                                                                                                                           | HAZARD SCREENING DATE: <b>2025-08-20 7:01:16</b> |                                |
| %: <b>1.0000</b>                                                 | GreenScreen: <b>BM-1</b>                  | RC: <b>None</b>                                                                                                                                           | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Pigment</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |                                                  |                                |
| CAN                                                              | US CDC - Occupational Carcinogens         | Occupational Carcinogen                                                                                                                                   |                                                  |                                |
| CAN                                                              | CA EPA - Prop 65                          | Carcinogen - specific to chemical form or exposure route                                                                                                  |                                                  |                                |
| CAN                                                              | IARC                                      | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources                                                                            |                                                  |                                |
| CAN                                                              | MAK                                       | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value                                                      |                                                  |                                |
| END                                                              | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor                                                                                                                             |                                                  |                                |
| CAN                                                              | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |                                                  |                                |
| CAN                                                              | IARC                                      | Group 2b - Possibly carcinogenic to humans                                                                                                                |                                                  |                                |
| CAN                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |                                                  |                                |
| CAN                                                              | GHS - Japan                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |                                                  |                                |
| MAM                                                              | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                                  |                                |

| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                            |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products       |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products |
| POSITIVE LIST                                                                                         | US Environmental Protection Agency (US EPA)             | US EPA - DfE Safer Chemicals Ingredients list (SCIL)<br><br>Colorants - Green Circle (Verified Low Concern)                             |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products          |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                                         |                                                                                                                                         |

|                                                           |                    |          |                                           |                         |
|-----------------------------------------------------------|--------------------|----------|-------------------------------------------|-------------------------|
| UNDISCLOSED                                               |                    |          |                                           | ID: Undisclosed         |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    |          | HAZARD SCREENING DATE: 2025-08-20 7:01:17 |                         |
| %: 0.2000                                                 | GreenScreen: LT-P1 | RC: None | NANO: No                                  | SUBSTANCE ROLE: Sealant |

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                  |
|-------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| SKI         | MAK                                         | Sensitizing Substance Sh - Danger of skin sensitization                                                                   |
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                |
| SKI         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                    |
| EYE         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                    |
| 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: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-08-20 7:01:17

%: 0.2000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Sealant

| 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: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

|                                                                                                       |                                             |          |                                              |                            |  |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------|----------|----------------------------------------------|----------------------------|--|
| UNDISCLOSED                                                                                           |                                             |          |                                              | ID: Undisclosed            |  |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                             |                                             |          | HAZARD SCREENING DATE: 2025-08-20 7:01:16    |                            |  |
| %: 0.1000                                                                                             | GreenScreen: LT-P1                          | RC: None | NANO: No                                     | SUBSTANCE ROLE: Stabilizer |  |
| 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: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                             |          |                                              |                            |  |

|                                                                                                       |                                             |                 |                                                  |                                |  |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------|--------------------------------------------------|--------------------------------|--|
| UNDISCLOSED                                                                                           |                                             |                 |                                                  | ID: Undisclosed                |  |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                      |                                             |                 | HAZARD SCREENING DATE: <b>2025-08-20 7:01:16</b> |                                |  |
| %: <b>0.1000</b>                                                                                      | GreenScreen: <b>LT-P1</b>                   | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Sealant</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                                     |                                |  |
| RESTRICTED LIST                                                                                       | Green Science Policy Institute (GSPI)       |                 | GSPI - Six Classes Precautionary List            |                                |  |
|                                                                                                       |                                             |                 | Some Solvents                                    |                                |  |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                             |                 |                                                  |                                |  |

|                                                                                                                              |                    |                                                    |                                           |                                   |                |
|------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------|-------------------------------------------|-----------------------------------|----------------|
| BINDER                                                                                                                       |                    | %: 6.0300                                          |                                           |                                   |                |
| PRODUCT THRESHOLD: 1000 ppm                                                                                                  |                    | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes |                                           | MATERIAL TYPE: Polymeric Material |                |
| RESIDUALS AND IMPURITIES NOTES: Based on suppliers SDS sheets, residuals and impurities are below the threshold of 1000 ppm. |                    |                                                    |                                           |                                   |                |
| OTHER MATERIAL NOTES: This material are mainly isocyanate material.                                                          |                    |                                                    |                                           |                                   |                |
| POLY[OXY(METHYL-1,2-ETHANEDIYL)], .ALPHA.-HYDRO-.OMEGA.-HYDROXY-, POLYMER WITH 1,1'-METHYLENEBIS[ISOCYANATOBENZENE]          |                    |                                                    |                                           |                                   | ID: 39420-98-9 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                                    |                    |                                                    | HAZARD SCREENING DATE: 2025-08-20 7:01:16 |                                   |                |
| %: 60.0000 - 80.0000                                                                                                         | GreenScreen: LT-P1 | RC: None                                           | NANO: No                                  | SUBSTANCE ROLE: Polymer species   |                |

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS                                                                               |
|---------------------|----------------------|----------------------------------------------------------------------------------------|
| SKI                 | GHS - Australia      | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |
| EYE                 | GHS - Australia      | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| MAM                 | GHS - Australia      | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                                                           |
| None found          |                      | No listings found on Additional Hazard Lists                                           |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

4,4'-DIPHENYLMETHANE DIISOCYANATE

ID: 101-68-8

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           |                                                                                                                                                           | HAZARD SCREENING DATE: <b>2025-08-20 7:01:17</b> |                                        |
|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------|
| %: <b>10.0000 - 30.0000</b>                                      | GreenScreen: <b>LT-UNK</b>                | RC: <b>None</b>                                                                                                                                           | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Polymer species</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |                                                  |                                        |
| CAN                                                              | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |                                                  |                                        |
| RES                                                              | MAK                                       | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |                                                  |                                        |
| SKI                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |                                                  |                                        |
| EYE                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |                                                  |                                        |
| CAN                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |                                                  |                                        |
| SKI                                                              | GHS - New Zealand                         | Skin irritation category 2                                                                                                                                |                                                  |                                        |
| EYE                                                              | GHS - New Zealand                         | Eye irritation category 2                                                                                                                                 |                                                  |                                        |
| SKI                                                              | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |                                                  |                                        |
| EYE                                                              | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |                                                  |                                        |
| CAN                                                              | GHS - New Zealand                         | Carcinogenicity category 2                                                                                                                                |                                                  |                                        |
| MAM                                                              | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                                  |                                        |
| MAM                                                              | GHS - Australia                           | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |                                                  |                                        |

|                     |                                                          |                                                                                                                                   |
|---------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| MAM                 | GHS - New Zealand                                        | Specific target organ toxicity - repeated exposure category 1                                                                     |
| MAM                 | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                  |
| CAN                 | EU - Annex VI CMRs                                       | Carcinogen Category 2 - Suspected human Carcinogen                                                                                |
| SKI                 | GHS - Japan                                              | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                          |
| SKI                 | GHS - New Zealand                                        | Skin sensitisation category 1                                                                                                     |
| MAM                 | GHS - New Zealand                                        | Acute inhalation toxicity category 2                                                                                              |
| EYE                 | GHS - Korea                                              | H319 - Causes serious eye irritation [Serious eye damage/irritation - Category 2]                                                 |
| SKI                 | GHS - Korea                                              | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                            |
| MAM                 | Québec CSST - WHMIS 1988                                 | Class D1A - Very toxic material causing immediate and serious toxic effects                                                       |
| MAM                 | GHS - Australia                                          | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                           |
| MAM                 | GHS - Japan                                              | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                    |
| CAN                 | GHS - Australia                                          | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                 |
| MAM                 | GHS - Korea                                              | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                           |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                      |
| RESTRICTED LIST     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                        |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products          |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                            |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products    |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

|                                                           |                                           |                                                                                                                                         |                                           |                                 |
|-----------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                           |                                                                                                                                         | HAZARD SCREENING DATE: 2025-08-20 7:01:18 |                                 |
| ?: 7.0000 - 13.0000                                       | GreenScreen: LT-UNK                       | RC: None                                                                                                                                | NANO: No                                  | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                |                                           |                                 |
| SKI                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |                                           |                                 |
| EYE                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                  |                                           |                                 |
| CAN                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                       |                                           |                                 |
| SKI                                                       | GHS - New Zealand                         | Skin irritation category 2                                                                                                              |                                           |                                 |
| EYE                                                       | GHS - New Zealand                         | Eye irritation category 2                                                                                                               |                                           |                                 |
| SKI                                                       | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |                                           |                                 |
| EYE                                                       | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                  |                                           |                                 |
| CAN                                                       | GHS - New Zealand                         | Carcinogenicity category 2                                                                                                              |                                           |                                 |
| MAM                                                       | GHS - Australia                           | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |                                           |                                 |
| MAM                                                       | GHS - New Zealand                         | Specific target organ toxicity - repeated exposure category 1                                                                           |                                           |                                 |
| CAN                                                       | EU - Annex VI CMRs                        | Carcinogen Category 2 - Suspected human Carcinogen                                                                                      |                                           |                                 |
| SKI                                                       | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                |                                           |                                 |
| SKI                                                       | GHS - New Zealand                         | Skin sensitisation category 1                                                                                                           |                                           |                                 |
| MAM                                                       | GHS - New Zealand                         | Acute inhalation toxicity category 2                                                                                                    |                                           |                                 |
| MAM                                                       | GHS - Australia                           | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                 |                                           |                                 |
| MAM                                                       | GHS - Japan                               | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                          |                                           |                                 |
| CAN                                                       | GHS - Australia                           | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                       |                                           |                                 |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                   |
|---------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                     |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products       |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                         |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

CATALYST

%: 0.6400

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

RESIDUALS AND IMPURITIES NOTES: Based on the supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

OTHER MATERIAL NOTES: This is supplier by the municipal pipe

WATER

ID: 7732-18-5

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                              | HAZARD SCREENING DATE: <b>2025-08-20 7:01:18</b>                                          |                 |                                       |
|------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------|-----------------|---------------------------------------|
| %: <b>100.0000</b>                                               | GreenScreen: <b>BM-4</b>                     | RC: <b>None</b>                                                                           | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Water softener</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: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

ADHESIVE

%: 0.4400

PRODUCT THRESHOLD: 1000 ppm
 RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes
 MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Based on suppliers SDS sheets, impurities present in adhesive ingredient are up to the threshold of 1000 ppm. They are quartz and water substances with each weight equal to 0.30% of the ingredient.

OTHER MATERIAL NOTES: This material presents impurities.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-08-20 7:01:18

%: 50.0000 - 62.0000 GreenScreen: BM-3dg RC: None NANO: No SUBSTANCE ROLE: Filler

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

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

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-08-20 7:01:19

%: 18.0000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species

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

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

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-08-20 7:01:19

%: 17.0000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Plasticizer

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

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

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

|                                                                                                       |                                       |                 |                                                  |                                |
|-------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------|--------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                      |                                       |                 | HAZARD SCREENING DATE: <b>2025-08-20 7:01:20</b> |                                |
| %: <b>9.0000</b>                                                                                      | GreenScreen: <b>LT-UNK</b>            | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Monomer</b> |
| HAZARD TYPE                                                                                           | LIST NAME AND SOURCE                  |                 | WARNINGS                                         |                                |
| EYE                                                                                                   | GHS - New Zealand                     |                 | Eye irritation category 2                        |                                |
| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                  |                 | NOTIFICATION                                     |                                |
| RESTRICTED LIST                                                                                       | Green Science Policy Institute (GSPI) |                 | GSPI - Six Classes Precautionary List            |                                |
|                                                                                                       |                                       |                 | Some Solvents                                    |                                |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                       |                 |                                                  |                                |

|                                                                                                       |                                       |                 |                                                  |                                        |
|-------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                      |                                       |                 | HAZARD SCREENING DATE: <b>2025-08-20 7:01:18</b> |                                        |
| %: <b>6.0000</b>                                                                                      | GreenScreen: <b>LT-P1</b>             | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Polymer species</b> |
| HAZARD TYPE                                                                                           | LIST NAME AND SOURCE                  |                 | WARNINGS                                         |                                        |
| EYE                                                                                                   | GHS - New Zealand                     |                 | Eye irritation category 2                        |                                        |
| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                  |                 | NOTIFICATION                                     |                                        |
| RESTRICTED LIST                                                                                       | Green Science Policy Institute (GSPI) |                 | GSPI - Six Classes Precautionary List            |                                        |
|                                                                                                       |                                       |                 | Some Solvents                                    |                                        |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                       |                 |                                                  |                                        |

|                                                                  |                            |                 |                                                  |                                |
|------------------------------------------------------------------|----------------------------|-----------------|--------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2025-08-20 7:01:19</b> |                                |
| %: <b>0.5000</b>                                                 | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Reagent</b> |

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                |
|-------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| SKI         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |
| EYE         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                  |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                       |
| SKI         | GHS - New Zealand                         | Skin irritation category 2                                                                                                              |
| EYE         | GHS - New Zealand                         | Eye irritation category 2                                                                                                               |
| SKI         | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |
| EYE         | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                  |
| CAN         | GHS - New Zealand                         | Carcinogenicity category 2                                                                                                              |
| MAM         | GHS - Australia                           | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |
| MAM         | GHS - New Zealand                         | Specific target organ toxicity - repeated exposure category 1                                                                           |
| CAN         | EU - Annex VI CMRs                        | Carcinogen Category 2 - Suspected human Carcinogen                                                                                      |
| SKI         | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                |
| SKI         | GHS - New Zealand                         | Skin sensitisation category 1                                                                                                           |
| MAM         | GHS - New Zealand                         | Acute inhalation toxicity category 2                                                                                                    |
| MAM         | GHS - Australia                           | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                 |
| MAM         | GHS - Japan                               | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                          |
| CAN         | GHS - Australia                           | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                       |

| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                   |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                       | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                     |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products       |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                         |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                                         |                                                                                                                                |

UNDISCLOSED

ID: **Undisclosed**

|                                                                                                       |                                       |                 |                                                  |                                |
|-------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------|--------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                      |                                       |                 | HAZARD SCREENING DATE: <b>2025-08-20 7:01:21</b> |                                |
| %: <b>0.3000</b>                                                                                      | GreenScreen: <b>NoGS</b>              | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Sealant</b> |
| HAZARD TYPE                                                                                           | LIST NAME AND SOURCE                  |                 | WARNINGS                                         |                                |
| None found                                                                                            |                                       |                 | No warnings found on HPD Priority Hazard Lists   |                                |
| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                  |                 | NOTIFICATION                                     |                                |
| RESTRICTED LIST                                                                                       | Green Science Policy Institute (GSPI) |                 | GSPI - Six Classes Precautionary List            |                                |
|                                                                                                       |                                       |                 | Some Solvents                                    |                                |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                       |                 |                                                  |                                |

UNDISCLOSED

ID: **Undisclosed**

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                                | HAZARD SCREENING DATE: <b>2025-08-20 7:01:20</b> |                                          |
|------------------------------------------------------------------|--------------------------|------------------------------------------------|--------------------------------------------------|------------------------------------------|
| %: <b>0.3000</b>                                                 | GreenScreen: <b>BM-4</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Impurity/Residual</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: Based on supplier SDS, impurity is above the threshold of 1000 ppm. |                                              |                                                                                           |

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-08-20 7:01:20

%: 0.3000

GreenScreen: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Impurity/Residual

| HAZARD TYPE | LIST NAME AND SOURCE              | WARNINGS                                                                                                                                                  |
|-------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN         | US CDC - Occupational Carcinogens | Occupational Carcinogen                                                                                                                                   |
| CAN         | CA EPA - Prop 65                  | Carcinogen - specific to chemical form or exposure route                                                                                                  |
| CAN         | US NIH - Report on Carcinogens    | Known to be Human Carcinogen (respirable size - occupational setting)                                                                                     |
| CAN         | MAK                               | Carcinogen Group 1 - Substances that cause cancer in man                                                                                                  |
| CAN         | IARC                              | Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources                                                                             |
| CAN         | IARC                              | Group 1 - Agent is Carcinogenic to humans                                                                                                                 |
| CAN         | US NIH - Report on Carcinogens    | Known to be a human Carcinogen                                                                                                                            |
| CAN         | GHS - Japan                       | H350 - May cause cancer [Carcinogenicity - Category 1A]                                                                                                   |
| CAN         | GHS - Australia                   | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]                                                                              |
| CAN         | GHS - New Zealand                 | Carcinogenicity category 1                                                                                                                                |
| MAM         | GHS - Japan                       | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| GEN         | GHS - Japan                       | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |
| MAM         | GHS - Australia                   | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| MAM         | GHS - New Zealand                 | Specific target organ toxicity - repeated exposure category 1                                                                                             |

| ADDITIONAL LISTINGS                                                                  | LIST NAME AND SOURCE | NOTIFICATION                                 |
|--------------------------------------------------------------------------------------|----------------------|----------------------------------------------|
| None found                                                                           |                      | No listings found on Additional Hazard Lists |
| SUBSTANCE NOTES: Based on supplier SDS, impurity is above the threshold of 1000 ppm. |                      |                                              |

| UNDISCLOSED                                               |                                             |                                                                                                                                                           |          | ID: Undisclosed          |
|-----------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                             | HAZARD SCREENING DATE: 2025-08-20 7:01:19                                                                                                                 |          |                          |
| %: 0.2000                                                 | GreenScreen: LT-1                           | RC: None                                                                                                                                                  | NANO: No | SUBSTANCE ROLE: Catalyst |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                                                  |          |                          |
| END                                                       | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                                                                             |          |                          |
| END                                                       | ChemSec - SIN List                          | Endocrine Disruption                                                                                                                                      |          |                          |
| DEV                                                       | MAK                                         | Pregnancy Risk Group B                                                                                                                                    |          |                          |
| REP                                                       | EU - Annex VI CMRs                          | Reproductive Toxicity - Category 1B                                                                                                                       |          |                          |
| MUL                                                       | ChemSec - SIN List                          | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                                                                                      |          |                          |
| MUL                                                       | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                                                                                         |          |                          |
| CAN                                                       | MAK                                         | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |          |                          |
| REP                                                       | GHS - Japan                                 | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]                                                                     |          |                          |
| REP                                                       | GHS - Australia                             | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]                                                    |          |                          |
| REP                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1   | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]                                                    |          |                          |
| MAM                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1   | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |          |                          |
| GEN                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1   | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |          |                          |
| SKI                                                       | GHS - New Zealand                           | Skin irritation category 2                                                                                                                                |          |                          |
| EYE                                                       | GHS - New Zealand                           | Eye irritation category 2                                                                                                                                 |          |                          |
| MAM                                                       | GHS - Japan                                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |          |                          |
| GEN                                                       | GHS - Australia                             | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |          |                          |
| GEN                                                       | GHS - Japan                                 | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |          |                          |

|     |                            |                                                                                                                                         |
|-----|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| MAM | GHS - Australia            | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |
| MAM | GHS - New Zealand          | Specific target organ toxicity - repeated exposure category 1                                                                           |
| SKI | GHS - Australia            | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                                    |
| SKI | GHS - Japan                | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                |
| MAM | GHS - New Zealand          | Acute inhalation toxicity category 2                                                                                                    |
| MAM | GHS - New Zealand          | Acute oral toxicity category 2                                                                                                          |
| AQU | GHS - New Zealand          | Hazardous to the aquatic environment - acute category 1                                                                                 |
| AQU | GHS - Japan                | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                           |
| AQU | GHS - Japan                | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]               |
| AQU | GHS - New Zealand          | Hazardous to the aquatic environment - chronic category 1                                                                               |
| GEN | EU - Annex VI CMRs         | Mutagen - Category 2                                                                                                                    |
| MAM | GHS - New Zealand          | Acute dermal toxicity category 3                                                                                                        |
| MAM | GHS - Australia            | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                 |
| EYE | GHS - Japan                | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                                                |
| MAM | GHS - Japan                | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                          |
| MAM | GHS - Japan                | H301 - Toxic if swallowed [Acute Toxicity (oral) - Category 3]                                                                          |
| REP | EU - REACH Annex XVII CMRs | Reproductive toxicants: Category 1B                                                                                                     |

| 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>Some Solvents                                                                                             |
| 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>Core Restrictions                                 |
| 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                               |
| 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>Formulated Consumer Products                      |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                                                 |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Children's Toy Products                                      |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products                         |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                                        |                                                                                                                                                        |

|                                                           |                     |                                           |          |                           |
|-----------------------------------------------------------|---------------------|-------------------------------------------|----------|---------------------------|
| UNDISCLOSED                                               |                     | ID: Undisclosed                           |          |                           |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     | HAZARD SCREENING DATE: 2025-08-20 7:01:20 |          |                           |
| %: 0.1600                                                 | GreenScreen: LT-UNK | RC: None                                  | NANO: No | SUBSTANCE ROLE: Scavenger |

| HAZARD TYPE         | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                |
|---------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                  |
| 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]                                                  |
| MAM                 | GHS - Australia                           | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |
| MAM                 | GHS - Australia                           | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                      | NOTIFICATION                                                                                                                            |
| RESTRICTED LIST     | Perkins+Will (P+W)                        | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                              |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

|                                                                                                       |                                                         |                                                                                               |                                           |                          |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------|
| UNDISCLOSED                                                                                           |                                                         |                                                                                               |                                           | ID: Undisclosed          |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                             |                                                         |                                                                                               | HAZARD SCREENING DATE: 2025-08-20 7:01:20 |                          |
| %: 0.1200                                                                                             | GreenScreen: NoGS                                       | RC: None                                                                                      | NANO: No                                  | SUBSTANCE ROLE: Adhesive |
| HAZARD TYPE                                                                                           | LIST NAME AND SOURCE                                    | WARNINGS                                                                                      |                                           |                          |
| None found                                                                                            |                                                         | No warnings found on HPD Priority Hazard Lists                                                |                                           |                          |
| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                  |                                           |                          |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                           |                          |
|                                                                                                       |                                                         | Core Restrictions                                                                             |                                           |                          |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                                         |                                                                                               |                                           |                          |

|                                                                  |  |  |                                                  |                        |
|------------------------------------------------------------------|--|--|--------------------------------------------------|------------------------|
| UNDISCLOSED                                                      |  |  |                                                  | ID: <b>Undisclosed</b> |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |  |  | HAZARD SCREENING DATE: <b>2025-08-20 7:01:21</b> |                        |



| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |
|-------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN         | CA EPA - Prop 65                          | Carcinogen                                                                                                                                                |
| EYE         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| EYE         | GHS - New Zealand                         | Eye irritation category 2                                                                                                                                 |
| EYE         | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| CAN         | GHS - New Zealand                         | Carcinogenicity category 2                                                                                                                                |
| CAN         | GHS - Japan                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| MAM         | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| CAN         | EU - Annex VI CMRs                        | Carcinogen Category 2 - Suspected human Carcinogen                                                                                                        |
| SKI         | GHS - New Zealand                         | Skin sensitisation category 1                                                                                                                             |
| MAM         | GHS - New Zealand                         | Acute inhalation toxicity category 2                                                                                                                      |
| AQU         | GHS - New Zealand                         | Hazardous to the aquatic environment - acute category 1                                                                                                   |
| AQU         | GHS - Japan                               | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| AQU         | GHS - Japan                               | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                                 |
| AQU         | GHS - Korea                               | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| AQU         | GHS - Korea                               | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                                 |
| REP         | GHS - Japan                               | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                                                           |
| EYE         | GHS - Korea                               | H319 - Causes serious eye irritation [Serious eye damage/irritation - Category 2]                                                                         |
| EYE         | GHS - Japan                               | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                                                                  |
| AQU         | GHS - Australia                           | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| MAM         | GHS - Japan                               | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                                            |
| CAN         | GHS - Australia                           | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| CAN         | GHS - Korea                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |

| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                   |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                       | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                                    |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions         |
| 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>Children's Products       |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                                         |                                                                                                                                |

BINDER 1

%: 6.0300 ALTERNATE

PRODUCT THRESHOLD: 1000 ppm    RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes    MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Based on suppliers SDS sheets, residuals and impurities are below the threshold of 1000 ppm.

OTHER MATERIAL NOTES: This material are mainly isocyanate material.

ALTERNATE: This nested material is an alternate nested material to Binder.

|                                                           |                     |                                           |          |                                 |
|-----------------------------------------------------------|---------------------|-------------------------------------------|----------|---------------------------------|
| POLYMETHYLENE POLYPHENYL ISOCYANATE                       |                     |                                           |          | ID: 9016-87-9                   |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     | HAZARD SCREENING DATE: 2025-08-20 7:01:22 |          |                                 |
| %: 40.0000 - 55.0000                                      | GreenScreen: LT-UNK | RC: None                                  | NANO: No | SUBSTANCE ROLE: Polymer species |

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                                  |
|---------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                 | MAK                                                     | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |
| RES                 | MAK                                                     | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |
| EYE                 | GHS - New Zealand                                       | Eye irritation category 2                                                                                                                                 |
| SKI                 | GHS - Australia                                         | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| EYE                 | GHS - Australia                                         | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| CAN                 | GHS - Japan                                             | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| MAM                 | GHS - Japan                                             | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM                 | GHS - Australia                                         | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| MAM                 | GHS - New Zealand                                       | Specific target organ toxicity - repeated exposure category 1                                                                                             |
| MAM                 | GHS - Japan                                             | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| MAM                 | GHS - New Zealand                                       | Acute inhalation toxicity category 2                                                                                                                      |
| MAM                 | Québec CSST - WHMIS 1988                                | Class D1A - Very toxic material causing immediate and serious toxic effects                                                                               |
| MAM                 | GHS - Australia                                         | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                                   |
| MAM                 | GHS - Japan                                             | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                                            |
| CAN                 | GHS - Australia                                         | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST     | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products                         |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                                                    |

4,4'-DIPHENYLMETHANE DIISOCYANATE

ID: 101-68-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-08-20 7:01:21

| %: 35.0000 - 45.0000 | GreenScreen: LT-UNK                       | RC: None                                                                                                                                                  | NANO: No | SUBSTANCE ROLE: Polymer species |
|----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------|
| HAZARD TYPE          | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |          |                                 |
| CAN                  | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |          |                                 |
| RES                  | MAK                                       | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |          |                                 |
| SKI                  | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |          |                                 |
| EYE                  | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |          |                                 |
| CAN                  | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |          |                                 |
| SKI                  | GHS - New Zealand                         | Skin irritation category 2                                                                                                                                |          |                                 |
| EYE                  | GHS - New Zealand                         | Eye irritation category 2                                                                                                                                 |          |                                 |
| SKI                  | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |          |                                 |
| EYE                  | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |          |                                 |
| CAN                  | GHS - New Zealand                         | Carcinogenicity category 2                                                                                                                                |          |                                 |
| MAM                  | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |          |                                 |
| MAM                  | GHS - Australia                           | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |          |                                 |
| MAM                  | GHS - New Zealand                         | Specific target organ toxicity - repeated exposure category 1                                                                                             |          |                                 |
| MAM                  | GHS - Japan                               | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |          |                                 |
| CAN                  | EU - Annex VI CMRs                        | Carcinogen Category 2 - Suspected human Carcinogen                                                                                                        |          |                                 |
| SKI                  | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |          |                                 |
| SKI                  | GHS - New Zealand                         | Skin sensitisation category 1                                                                                                                             |          |                                 |
| MAM                  | GHS - New Zealand                         | Acute inhalation toxicity category 2                                                                                                                      |          |                                 |
| EYE                  | GHS - Korea                               | H319 - Causes serious eye irritation [Serious eye damage/irritation - Category 2]                                                                         |          |                                 |

|                                                                                                       |                                                         |                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| SKI                                                                                                   | GHS - Korea                                             | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                            |
| MAM                                                                                                   | Québec CSST - WHMIS 1988                                | Class D1A - Very toxic material causing immediate and serious toxic effects                                                       |
| MAM                                                                                                   | GHS - Australia                                         | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                           |
| MAM                                                                                                   | GHS - Japan                                             | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                    |
| CAN                                                                                                   | GHS - Australia                                         | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                 |
| MAM                                                                                                   | GHS - Korea                                             | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                           |
| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                      |
| RESTRICTED LIST                                                                                       | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                        |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products          |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                            |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products    |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                                         |                                                                                                                                   |

|                                                           |                     |                                           |          |                                 |
|-----------------------------------------------------------|---------------------|-------------------------------------------|----------|---------------------------------|
| DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC  |                     |                                           |          | ID: 26447-40-5                  |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     | HAZARD SCREENING DATE: 2025-08-20 7:01:22 |          |                                 |
| %, 1.0000 - 5.0000                                        | GreenScreen: LT-UNK | RC: None                                  | NANO: No | SUBSTANCE ROLE: Polymer species |

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                |
|-------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| SKI         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |
| EYE         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                  |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                       |
| SKI         | GHS - New Zealand                         | Skin irritation category 2                                                                                                              |
| EYE         | GHS - New Zealand                         | Eye irritation category 2                                                                                                               |
| SKI         | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |
| EYE         | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                  |
| CAN         | GHS - New Zealand                         | Carcinogenicity category 2                                                                                                              |
| MAM         | GHS - Australia                           | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |
| MAM         | GHS - New Zealand                         | Specific target organ toxicity - repeated exposure category 1                                                                           |
| CAN         | EU - Annex VI CMRs                        | Carcinogen Category 2 - Suspected human Carcinogen                                                                                      |
| SKI         | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                |
| SKI         | GHS - New Zealand                         | Skin sensitisation category 1                                                                                                           |
| MAM         | GHS - New Zealand                         | Acute inhalation toxicity category 2                                                                                                    |
| MAM         | GHS - Australia                           | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                 |
| MAM         | GHS - Japan                               | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                          |
| CAN         | GHS - Australia                           | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                       |

| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                   |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                       | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                     |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products       |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                         |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                                         |                                                                                                                                |

BINDER 2

%: 6.0300 ALTERNATE

PRODUCT THRESHOLD: 1000 ppm    RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes    MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Based on suppliers SDS sheets, residuals and impurities are below the threshold of 1000 ppm.

OTHER MATERIAL NOTES: This material are mainly isocyanate material.

ALTERNATE: This nested material is an alternate nested material to Binder.

|                                                                                                                         |                           |                                              |                                                  |                                                                                        |                |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------|----------------|
| ISOCYANIC ACID, POLYMETHYLENEPOLYPHENYLENE ESTER, POLYMER WITH ALPHA-HYDRO-OMEGA-HYDROXPOLY(OXY(METHYL-1,2-ETHANEDIYL)) |                           |                                              |                                                  |                                                                                        | ID: 53862-89-8 |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                        |                           |                                              | HAZARD SCREENING DATE: <b>2025-08-20 7:01:22</b> |                                                                                        |                |
| %: <b>50.0000 - 70.0000</b>                                                                                             | GreenScreen: <b>LT-P1</b> | RC: <b>None</b>                              | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Polymer species</b>                                                 |                |
| HAZARD TYPE                                                                                                             |                           | LIST NAME AND SOURCE                         |                                                  | WARNINGS                                                                               |                |
| SKI                                                                                                                     |                           | GHS - Australia                              |                                                  | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |                |
| EYE                                                                                                                     |                           | GHS - Australia                              |                                                  | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |                |
| MAM                                                                                                                     |                           | GHS - Australia                              |                                                  | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                |                |
| ADDITIONAL LISTINGS                                                                                                     |                           | LIST NAME AND SOURCE                         |                                                  | NOTIFICATION                                                                           |                |
| None found                                                                                                              |                           | No listings found on Additional Hazard Lists |                                                  |                                                                                        |                |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.                   |                           |                                              |                                                  |                                                                                        |                |

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-08-20 7:01:24

| %: 10.0000 - 20.0000 | GreenScreen: LT-UNK                       | RC: None                                                                                                                                                  | NANO: No | SUBSTANCE ROLE: Polymer species |
|----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------|
| HAZARD TYPE          | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |          |                                 |
| CAN                  | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |          |                                 |
| RES                  | MAK                                       | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |          |                                 |
| SKI                  | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |          |                                 |
| EYE                  | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |          |                                 |
| CAN                  | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |          |                                 |
| SKI                  | GHS - New Zealand                         | Skin irritation category 2                                                                                                                                |          |                                 |
| EYE                  | GHS - New Zealand                         | Eye irritation category 2                                                                                                                                 |          |                                 |
| SKI                  | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |          |                                 |
| EYE                  | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |          |                                 |
| CAN                  | GHS - New Zealand                         | Carcinogenicity category 2                                                                                                                                |          |                                 |
| MAM                  | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |          |                                 |
| MAM                  | GHS - Australia                           | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |          |                                 |
| MAM                  | GHS - New Zealand                         | Specific target organ toxicity - repeated exposure category 1                                                                                             |          |                                 |
| MAM                  | GHS - Japan                               | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |          |                                 |
| CAN                  | EU - Annex VI CMRs                        | Carcinogen Category 2 - Suspected human Carcinogen                                                                                                        |          |                                 |
| SKI                  | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |          |                                 |
| SKI                  | GHS - New Zealand                         | Skin sensitisation category 1                                                                                                                             |          |                                 |
| MAM                  | GHS - New Zealand                         | Acute inhalation toxicity category 2                                                                                                                      |          |                                 |
| EYE                  | GHS - Korea                               | H319 - Causes serious eye irritation [Serious eye damage/irritation - Category 2]                                                                         |          |                                 |
| SKI                  | GHS - Korea                               | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |          |                                 |
| MAM                  | Québec CSST - WHMIS 1988                  | Class D1A - Very toxic material causing immediate and serious toxic effects                                                                               |          |                                 |

|                                                                                                       |                                                          |                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| MAM                                                                                                   | GHS - Australia                                          | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                           |
| MAM                                                                                                   | GHS - Japan                                              | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                    |
| CAN                                                                                                   | GHS - Australia                                          | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                 |
| MAM                                                                                                   | GHS - Korea                                              | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                           |
| ADDITIONAL LISTINGS                                                                                   | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                      |
| RESTRICTED LIST                                                                                       | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                        |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products          |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                            |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products    |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                                          |                                                                                                                                   |

MEDIUM-CHAIN CHLORINATED PARAFFINS (MCCP) - ALKANES, C14-17, CHLORO
ID: 85535-85-9

|                                                                  |                                             |                                                                                                          |                                                  |                                        |
|------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             |                                                                                                          | HAZARD SCREENING DATE: <b>2025-08-20 7:01:25</b> |                                        |
| %: <b>5.0000 - 10.0000</b>                                       | GreenScreen: <b>LT-1</b>                    | RC: <b>None</b>                                                                                          | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Polymer species</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                        | WARNINGS                                                                                                 |                                                  |                                        |
| CAN                                                              | MAK                                         | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification             |                                                  |                                        |
| END                                                              | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                            |                                                  |                                        |
| PBT                                                              | EC - CEPA DSL                               | Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms) |                                                  |                                        |
| MUL                                                              | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                               |                                                  |                                        |
| PBT                                                              | ChemSec - SIN List                          | PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)               |                                                  |                                        |

|     |                                           |                                                                                                                                                           |
|-----|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END | EU - Priority Endocrine Disruptors        | Category 1 - In vivo evidence of Endocrine Disruption Activity                                                                                            |
| REP | GHS - Japan                               | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]                                                                     |
| AQU | EU - GHS (H-Statements) Annex 6 Table 3-1 | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| AQU | EU - GHS (H-Statements) Annex 6 Table 3-1 | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                                 |
| DEV | EU - GHS (H-Statements) Annex 6 Table 3-1 | H362 - May cause harm to breast-fed children [Reproductive toxicity, effects on or via lactation]                                                         |
| DEV | GHS - Korea                               | H362 - May cause harm to breast-fed children [Reproductive toxicity, effects on or via lactation]                                                         |
| DEV | GHS - Australia                           | H362 - May cause harm to breast-fed children [Reproductive toxicity, effects on or via lactation]                                                         |
| MAM | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| AQU | GHS - Japan                               | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| AQU | GHS - Japan                               | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                                 |
| AQU | GHS - Australia                           | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                                 |
| AQU | GHS - Korea                               | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| AQU | GHS - Korea                               | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]                                 |
| PBT | EU - SVHC List                            | PBT - Candidate list                                                                                                                                      |
| PBT | EU - SVHC List                            | vPvB - Candidate list                                                                                                                                     |
| DEV | GHS - Japan                               | H362 - May cause harm to breast-fed children [Developmental Toxicity - May cause harm to breast-fed children]                                             |

| 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>Some Solvents                                                                                                                    |
| 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>Core Restrictions                                                        |
| RESTRICTED LIST                                                                                       | International Living Future Institute (ILFI)             | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025<br><br>Red List substances to avoid in Living Building Challenge V4.0 projects |
| RESTRICTED LIST                                                                                       | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Avoidance of Organohalogens and Functionally Related Chemical Classes of Concern    |
| SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                                                          |                                                                                                                                                                               |

|                                                           |                     |                                           |          |                                 |
|-----------------------------------------------------------|---------------------|-------------------------------------------|----------|---------------------------------|
| 2,4'-DIPHENYLMETHANE DIISOCYANATE                         |                     |                                           |          | ID: 5873-54-1                   |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     | HAZARD SCREENING DATE: 2025-08-20 7:01:22 |          |                                 |
| %: 5.0000 - 10.0000                                       | GreenScreen: LT-UNK | RC: None                                  | NANO: No | SUBSTANCE ROLE: Polymer species |

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                |
|---------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                  |
| CAN                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                       |
| SKI                 | GHS - Australia                                          | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |
| EYE                 | GHS - Australia                                          | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                  |
| MAM                 | GHS - Australia                                          | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |
| CAN                 | EU - Annex VI CMRs                                       | Carcinogen Category 2 - Suspected human Carcinogen                                                                                      |
| MAM                 | GHS - Australia                                          | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                 |
| CAN                 | GHS - Australia                                          | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                       |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                            |
| RESTRICTED LIST     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                              |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products       |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                                  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products          |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

%: **0.0000 - 10.0000**
 GreenScreen: **LT-P1**
 RC: **None**
 NANO: **No**
 SUBSTANCE ROLE: **Polymer species**

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                                                   |
|---------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                 | MAK                                                     | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                                                                               |
| END                 | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor                                                                                                                                              |
| END                 | ChemSec - SIN List                                      | Endocrine Disruption                                                                                                                                                       |
| PBT                 | EC - CEPA DSL                                           | Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)                                                                   |
| PBT                 | OSPAR - Priority PBTs & EDs & equivalent concern        | PBT - Substance of Possible Concern                                                                                                                                        |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                                               |
| RESTRICTED LIST     | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                                 |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions                                                     |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Avoidance of Organohalogens and Functionally Related Chemical Classes of Concern |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

POLYMETHYLENE POLYPHENYL ISOCYANATE
 ID: **9016-87-9**

|                                                                  |                            |                 |                                                  |                                        |
|------------------------------------------------------------------|----------------------------|-----------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2025-08-20 7:01:24</b> |                                        |
| %: <b>1.0000 - 5.0000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Polymer species</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                                  |
|---------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                 | MAK                                                     | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |
| RES                 | MAK                                                     | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |
| EYE                 | GHS - New Zealand                                       | Eye irritation category 2                                                                                                                                 |
| SKI                 | GHS - Australia                                         | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| EYE                 | GHS - Australia                                         | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| CAN                 | GHS - Japan                                             | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| MAM                 | GHS - Japan                                             | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM                 | GHS - Australia                                         | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| MAM                 | GHS - New Zealand                                       | Specific target organ toxicity - repeated exposure category 1                                                                                             |
| MAM                 | GHS - Japan                                             | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| MAM                 | GHS - New Zealand                                       | Acute inhalation toxicity category 2                                                                                                                      |
| MAM                 | Québec CSST - WHMIS 1988                                | Class D1A - Very toxic material causing immediate and serious toxic effects                                                                               |
| MAM                 | GHS - Australia                                         | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                                   |
| MAM                 | GHS - Japan                                             | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                                            |
| CAN                 | GHS - Australia                                         | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST     | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products                         |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                                                    |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

BUTYLATED HYDROXYTOLUENE

ID: 128-37-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-08-20 7:01:25

%: 0.1000 - 1.0000 GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Polymer species

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                       |
|---------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor                                                                                                  |
| END                 | ChemSec - SIN List                                      | Endocrine Disruption                                                                                                           |
| CAN                 | MAK                                                     | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                               |
| MUL                 | German FEA - Substances Hazardous to Waters             | Class 2 - Hazard to Waters                                                                                                     |
| MAM                 | GHS - Japan                                             | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]               |
| AQU                 | GHS - New Zealand                                       | Hazardous to the aquatic environment - acute category 1                                                                        |
| AQU                 | GHS - Japan                                             | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                  |
| AQU                 | GHS - Japan                                             | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]      |
| AQU                 | GHS - New Zealand                                       | Hazardous to the aquatic environment - chronic category 1                                                                      |
| REP                 | GHS - Japan                                             | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                                |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                   |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                                    |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

BINDER 3

?: 6.0300 ALTERNATE

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Based on suppliers SDS sheets, residuals and impurities are below the threshold of 1000 ppm.

OTHER MATERIAL NOTES: This material are mainly isocyanate material.

ALTERNATE: This nested material is an alternate nested material to Binder.

HEXANEDIOIC ACID, POLYMER WITH 2-ETHYL-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL, 1,3-ISOBENZOFURANDIONE AND 1,1'-OXYBIS[2-PROPANOL]

ID: 68133-07-3

|                                                                                                       |                            |                                                |                                                  |                                        |
|-------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                      |                            |                                                | HAZARD SCREENING DATE: <b>2025-08-20 7:01:26</b> |                                        |
| %: <b>50.0000 - 80.0000</b>                                                                           | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                | NANO: <b>No</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: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. |                            |                                                |                                                  |                                        |

4,4'-DIPHENYLMETHANE DIISOCYANATE

ID: 101-68-8

|                                                           |                                           |                                                                                                                                                           |                                           |                                 |
|-----------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                           |                                                                                                                                                           | HAZARD SCREENING DATE: 2025-08-20 7:01:22 |                                 |
| %: 10.0000 - 27.0000                                      | GreenScreen: LT-UNK                       | RC: None                                                                                                                                                  | NANO: No                                  | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |                                           |                                 |
| CAN                                                       | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |                                           |                                 |
| RES                                                       | MAK                                       | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |                                           |                                 |
| SKI                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |                                           |                                 |
| EYE                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |                                           |                                 |
| CAN                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |                                           |                                 |
| SKI                                                       | GHS - New Zealand                         | Skin irritation category 2                                                                                                                                |                                           |                                 |
| EYE                                                       | GHS - New Zealand                         | Eye irritation category 2                                                                                                                                 |                                           |                                 |
| SKI                                                       | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |                                           |                                 |
| EYE                                                       | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |                                           |                                 |
| CAN                                                       | GHS - New Zealand                         | Carcinogenicity category 2                                                                                                                                |                                           |                                 |
| MAM                                                       | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                           |                                 |

|                     |                                                          |                                                                                                                                         |
|---------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| MAM                 | GHS - Australia                                          | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |
| MAM                 | GHS - New Zealand                                        | Specific target organ toxicity - repeated exposure category 1                                                                           |
| MAM                 | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                        |
| CAN                 | EU - Annex VI CMRs                                       | Carcinogen Category 2 - Suspected human Carcinogen                                                                                      |
| SKI                 | GHS - Japan                                              | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                |
| SKI                 | GHS - New Zealand                                        | Skin sensitisation category 1                                                                                                           |
| MAM                 | GHS - New Zealand                                        | Acute inhalation toxicity category 2                                                                                                    |
| EYE                 | GHS - Korea                                              | H319 - Causes serious eye irritation [Serious eye damage/irritation - Category 2]                                                       |
| SKI                 | GHS - Korea                                              | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |
| MAM                 | Québec CSST - WHMIS 1988                                 | Class D1A - Very toxic material causing immediate and serious toxic effects                                                             |
| MAM                 | GHS - Australia                                          | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                 |
| MAM                 | GHS - Japan                                              | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                          |
| CAN                 | GHS - Australia                                          | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                       |
| MAM                 | GHS - Korea                                              | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                            |
| RESTRICTED LIST     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                              |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products       |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                                  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products          |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

2,4'-DIPHENYLMETHANE DIISOCYANATE

ID: 5873-54-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-08-20 7:01:23

%: 10.0000 - 25.0000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Polymer species

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                |
|---------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                  |
| CAN                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                       |
| SKI                 | GHS - Australia                                          | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                  |
| EYE                 | GHS - Australia                                          | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                  |
| MAM                 | GHS - Australia                                          | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |
| CAN                 | EU - Annex VI CMRs                                       | Carcinogen Category 2 - Suspected human Carcinogen                                                                                      |
| MAM                 | GHS - Australia                                          | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                 |
| CAN                 | GHS - Australia                                          | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                       |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                            |
| RESTRICTED LIST     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                              |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products       |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                                  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products          |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

BINDER 4 %: 6.0300 ALTERNATE

PRODUCT THRESHOLD: 1000 ppm    RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes    MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Based on suppliers SDS sheets, residuals and impurities are below the threshold of 1000 ppm.

OTHER MATERIAL NOTES: This material are mainly isocyanate material.

ALTERNATE: This nested material is an alternate nested material to Binder.

PROPANOL, [(1-METHYL-1,2-ETHANEDIYL)BIS(OXY)]BIS-, ID: 68092-58-0  
POLYMER WITH 1,1'-METHYLENEBIS[ISOCYANATOBENZENE]  
AND OXYBIS[PROPANOL]

|                                                           |                      |                                                                                        |                                           |                                 |
|-----------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |                                                                                        | HAZARD SCREENING DATE: 2025-08-20 7:01:24 |                                 |
| %: 40.0000 - 73.0000                                      | GreenScreen: LT-P1   | RC: None                                                                               | NANO: No                                  | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                                                               |                                           |                                 |
| SKI                                                       | GHS - Australia      | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |                                           |                                 |
| EYE                                                       | GHS - Australia      | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |                                           |                                 |
| MAM                                                       | GHS - Australia      | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                |                                           |                                 |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE | NOTIFICATION                                                                           |                                           |                                 |
| None found                                                |                      | No listings found on Additional Hazard Lists                                           |                                           |                                 |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

4,4'-DIPHENYLMETHANE DIISOCYANATE ID: 101-68-8

|                                                           |                                           |                                                                                        |                                           |                                 |
|-----------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                           |                                                                                        | HAZARD SCREENING DATE: 2025-08-20 7:01:25 |                                 |
| %: 22.0000 - 41.0000                                      | GreenScreen: LT-UNK                       | RC: None                                                                               | NANO: No                                  | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                      | WARNINGS                                                                               |                                           |                                 |
| CAN                                                       | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels       |                                           |                                 |
| RES                                                       | MAK                                       | Sensitizing Substance Sah - Danger of airway & skin sensitization                      |                                           |                                 |
| SKI                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |                                           |                                 |
| EYE                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |                                           |                                 |
| CAN                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                      |                                           |                                 |

|     |                          |                                                                                                                                                           |
|-----|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| SKI | GHS - New Zealand        | Skin irritation category 2                                                                                                                                |
| EYE | GHS - New Zealand        | Eye irritation category 2                                                                                                                                 |
| SKI | GHS - Australia          | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| EYE | GHS - Australia          | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| CAN | GHS - New Zealand        | Carcinogenicity category 2                                                                                                                                |
| MAM | GHS - Japan              | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM | GHS - Australia          | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| MAM | GHS - New Zealand        | Specific target organ toxicity - repeated exposure category 1                                                                                             |
| MAM | GHS - Japan              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| CAN | EU - Annex VI CMRs       | Carcinogen Category 2 - Suspected human Carcinogen                                                                                                        |
| SKI | GHS - Japan              | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |
| SKI | GHS - New Zealand        | Skin sensitisation category 1                                                                                                                             |
| MAM | GHS - New Zealand        | Acute inhalation toxicity category 2                                                                                                                      |
| EYE | GHS - Korea              | H319 - Causes serious eye irritation [Serious eye damage/irritation - Category 2]                                                                         |
| SKI | GHS - Korea              | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| MAM | Québec CSST - WHMIS 1988 | Class D1A - Very toxic material causing immediate and serious toxic effects                                                                               |
| MAM | GHS - Australia          | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                                   |
| MAM | GHS - Japan              | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]                                                                            |
| CAN | GHS - Australia          | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| MAM | GHS - Korea              | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                      |
|---------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                        |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products          |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                            |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products    |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

PROPYLENE CARBONATE

ID: 108-32-7

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           |                                                                                          | HAZARD SCREENING DATE: <b>2025-08-20 7:01:26</b> |                                        |
|------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------|
| %: <b>4.0000 - 7.0000</b>                                        | GreenScreen: <b>BM-3</b>                  | RC: <b>None</b>                                                                          | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Polymer species</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                      | WARNINGS                                                                                 |                                                  |                                        |
| EYE                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]   |                                                  |                                        |
| EYE                                                              | GHS - New Zealand                         | Eye irritation category 2                                                                |                                                  |                                        |
| EYE                                                              | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]   |                                                  |                                        |
| EYE                                                              | GHS - Japan                               | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A] |                                                  |                                        |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                      | NOTIFICATION                                                                             |                                                  |                                        |
| RESTRICTED LIST                                                  | Green Science Policy Institute (GSPI)     | GSPI - Six Classes Precautionary List<br><br>Some Solvents                               |                                                  |                                        |

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

PRODUCT THRESHOLD: 1000 ppm
 RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes
 MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Based on suppliers SDS sheets, residuals present in adhesive ingredient are below the threshold of 1000 ppm.

OTHER MATERIAL NOTES: This material presents residuals and content nanomaterials below .

ALTERNATE: This nested material is an alternate nested material to Adhesive.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**
 HAZARD SCREENING DATE: **2025-08-20 7:01:23**

%: **85.0000 - 99.0000**
 GreenScreen: **LT-UNK**
 RC: **None**
 NANO: **No**
 SUBSTANCE ROLE: **Polymer species**

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

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

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm. This substance presents residuals (vinyl acetate at percentage of 0.05%).

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**
 HAZARD SCREENING DATE: **2025-08-20 7:01:24**

%: **0.5000 - 2.0000**
 GreenScreen: **BM-2dg**
 RC: **None**
 NANO: **No**
 SUBSTANCE ROLE: **Polymer species**

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

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

SUBSTANCE NOTES: Based on supplier SDS, residuals and impurities are below the threshold of 1000 ppm.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**
 HAZARD SCREENING DATE: **2025-08-20 7:01:25**

%: **0.0000 - 0.5000**
 GreenScreen: **LT-P1**
 RC: **None**
 NANO: **No**
 SUBSTANCE ROLE: **Polymer species**

| HAZARD TYPE                                                                                                   | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| END                                                                                                           | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor                                                                                                  |
| END                                                                                                           | ChemSec - SIN List                                      | Endocrine Disruption                                                                                                           |
| CAN                                                                                                           | MAK                                                     | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                               |
| MUL                                                                                                           | German FEA - Substances Hazardous to Waters             | Class 2 - Hazard to Waters                                                                                                     |
| MAM                                                                                                           | GHS - Japan                                             | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]               |
| AQU                                                                                                           | GHS - New Zealand                                       | Hazardous to the aquatic environment - acute category 1                                                                        |
| AQU                                                                                                           | GHS - Japan                                             | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                  |
| AQU                                                                                                           | GHS - Japan                                             | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]      |
| AQU                                                                                                           | GHS - New Zealand                                       | Hazardous to the aquatic environment - chronic category 1                                                                      |
| REP                                                                                                           | GHS - Japan                                             | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                                |
| ADDITIONAL LISTINGS                                                                                           | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                   |
| RESTRICTED LIST                                                                                               | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                                    |
| RESTRICTED LIST                                                                                               | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products |
| SUBSTANCE NOTES: Based on supplier SDS, this substance content nanomaterials below the threshold of 1000 ppm. |                                                         |                                                                                                                                |

|                                                                                                               |                      |                                                                                                         |                                           |                                 |
|---------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|
| UNDISCLOSED                                                                                                   |                      |                                                                                                         |                                           | ID: Undisclosed                 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                     |                      |                                                                                                         | HAZARD SCREENING DATE: 2025-08-20 7:01:26 |                                 |
| %: 0.0000 - 0.5000                                                                                            | GreenScreen: LT-UNK  | RC: None                                                                                                | NANO: No                                  | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE                                                                                                   | LIST NAME AND SOURCE | WARNINGS                                                                                                |                                           |                                 |
| MAM                                                                                                           | GHS - Japan          | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |                                           |                                 |
| ADDITIONAL LISTINGS                                                                                           | LIST NAME AND SOURCE | NOTIFICATION                                                                                            |                                           |                                 |
| None found                                                                                                    |                      | No listings found on Additional Hazard Lists                                                            |                                           |                                 |
| SUBSTANCE NOTES: Based on supplier SDS, this substance content nanomaterials below the threshold of 1000 ppm. |                      |                                                                                                         |                                           |                                 |



### 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 V1.1 (Section 01350/CHPS) - Zero VOC emissions |
|---------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------|
| CERTIFYING PARTY: Self-declared                                           | ISSUE DATE: 2024-10-24 00:00:00 | CERTIFIER OR LAB: 715 Fountain                                      |
| APPLICABLE FACILITIES: 715 Fountain Ave. Lancaster, PA 17601 717-295-3400 | EXPIRY DATE:                    | Ave. Lancaster, PA 17601 717-295-3400                               |
| CERTIFICATE URL:                                                          |                                 |                                                                     |
| CERTIFICATION AND COMPLIANCE NOTES:                                       |                                 |                                                                     |

### Section 4: Accessories

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

No accessories are required for this product.

### Section 5: General Notes

Evolving materials for a changing world. Circularity isn't just about reusing and recycling, it's about empowering innovation and imagination. Together with our customers, we lead the effort in bringing new value to end-of-life materials through a 4-step circularity model.

## MANUFACTURER INFORMATION

MANUFACTURER: **Ecore International**  
ADDRESS: **715 Fountain Ave.**  
**Lancaster,, PA 17601 717-295-3400**  
COUNTRY: **USA**

WEBSITE: **ecoreintl.com**  
CONTACT NAME: **Dana Davis**  
TITLE: **Analyst Manager**  
PHONE: **717 824 82 10**  
EMAIL: **drdavis@ecoreintl.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*

