

SCREENING DATE: 2025-12-18  
PUBLISHED DATE: 2025-12-18  
EXPIRY DATE: 2028-12-18  
PREPARER: Self-Prepared

HPD UNIQUE IDENTIFIER: 55214863360  
HPD UNIQUE PRODUCT ID: Not provided.  
CLASSIFICATION: 08 44 13 Glazed Aluminum Curtain Walls  
PRODUCT DESCRIPTION: Reliance™ Unit Wall is a screw spline solution engineered with starter sill and stack horizontal. It is available in both captured and non-captured varieties and the frame can be shop glazed using either 3M™ VHB™ structural glazing tape or structural silicone. Options include stock lengths, fabricated KD, or fully assembled and glazed. This product does not contain intentionally added substances on the Living Building Challenge (LBC) Red List.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

|                            |                                 |                                                             |
|----------------------------|---------------------------------|-------------------------------------------------------------|
| Inventory Reporting Format | Residuals/Impurities Evaluation | For all contents above the threshold, the manufacturer has: |
| → Basic Method             | → Completed                     |                                                             |
| Threshold Disclosed Per    | Explanation(s) provided :       | Characterized                                               |
| → Product                  | Yes                             | Provided weight and role.                                   |
| Threshold Level            |                                 | Screened                                                    |
| → 100 ppm                  |                                 | Provided screening results using HPDC-approved methods.     |
|                            |                                 | Identified                                                  |
|                            |                                 | Provided name and CAS RN or other identifier.               |

CONTENT IN DESCENDING ORDER OF QUANTITY

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

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY  
GREENSCREEN SCORE | HAZARD TYPE  
RELiance UNIT WALL CAPTURED AND NON-CAPTURED SILICONE GLAZED [ 6063 ALUMINUM MULTIPLE AQUAFIL (SILICA, AMORPHOUS, FUMED, CRYST.-FREE) BM-1 DIMETHICONE (SILOXANES AND SILICONES, DI-ME) BM-2 | PBT SILOXANES AND SILICONES, DI-ME, VINYL GROUP-TERMINATED (VINYL SILICONE POLYMER) BM-1 TERT-BUTYL PEROXYBENZOATE (BENZENECARBOPEROXOIC ACID, 1,1-DIMETHYLETHYL ESTER) LT-P1 | MUL | EYE | AQU | MAM | PHY SILICA GEL (SILICA GEL, PPTD., CRYST.-FREE) LT-UNK | MAM SILOXANES AND SILICONES, DI-ME, ME VINYL, POLYMERS WITH ME PH SILSESQUIOXANES LT-UNK SILOXANES AND SILICONES, DI-ME, ME VINYL, VINYL GROUP-TERMINATED LT-UNK QUARTZ BM-1 \* | CAN | MAM | GEN FERRIC OXIDE BM-1 \* | CAN | MAM DODECAMETHYLCYCLOHEXASILOXANE (D6) (CYCLOHEXASILOXANE, DODECAMETHYL-) BM-1 | PBT HEXAMETHYLDISILAZANE TREATED SILICA DIOXIDE (AMORPHOUS SILICA (MODIFIED)) BM-1 SILOXANES AND SILICONES, DI-ME, HYDROXYL-TERMINATED, REACTION PRODUCTS WITH SILICA (SILOXANES AND SILICONES, DIMETHYL, HYDROXYL TERMINATED, REACTION PRODUCTS WITH SILICA) NoGS NEPHELINE SYENITE (NEPHELINE SYENITE) LT-UNK CYCLOTETRA SILOXANE, 2,2,4,4,6,6,8,8-OCTAMETHYL-, REACTION PRODUCTS WITH SILICA (CYCLOTETRA SILOXANE, OCTAMETHYL-, REACTION PRODUCTS WITH SILICA) NoGS TITANIUM DIOXIDE BM-1 \* | CAN | END | MAM CARBON BLACK BM-1 \* | CAN | EYE | MAM | PHY TOLUENE BM-1 |

Number of Greenscreen BM-4/BM3 contents ... 0  
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, LT-UNK  
Nanomaterial ... No  
INVENTORY AND SCREENING NOTES:  
Special Conditions applied: [MetalAlloy]  
  
This product does not contain intentionally added substances on the Living Building Challenge (LBC) Red List.

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

END | MUL | DEV | REP | SKI | PHY | MAM | EYE | AQU 2,2'-AZOBIS(2-METHYLBUTYRONITRILE) (BUTANENITRILE, 2,2'-AZOBIS[2-METHYL- ) LT-UNK DECAMETHYLCYCLOPENTASILOXANE (D5) (CYCLOPENTASILOXANE, DECAMETHYL-) BM-1 | END | PBT P,P'-OXYBIS(BENZENESULFONYL HYDRAZIDE) LT-P1 | MUL | AQU | MAM | PHY SILICONES NoGS SILICON DIOXIDE (AMORPHOUS SILICA) BM-1 | CAN | MAM BIS(2,4-DICHLOROBENZOYL)PEROXIDE (PEROXIDE, BIS(2,4-DICHLOROBENZOYL)) LT-P1 | MUL | SKI | EYE | PHY ABS RESIN (ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER) LT-UNK LIME (CALCIUM OXIDE) BM-2 | SKI | MAM | EYE VAROX (PEROXIDE, (1,1,4,4-TETRAMETHYL-1,4- BUTANEDIYL)BIS[(1,1-DIMETHYLETHYL)) LT-P1 | PBT | SKI | EYE | PHY C.I. PIGMENT BLACK 26 BM-1 CERIUM HYDROXIDE (CE(OH)4), (T-4)- LT-UNK C.I. PIGMENT BLACK 28 LT-UNK DICUMYL PEROXIDE (DICUMYL-PEROXIDE) LT-1 | REP | MUL | DEV | SKI | EYE | AQU | MAM STEEL NoGS CI 77346 (C.I. PIGMENT BLUE 28) LT-1 | CAN | RES | GEN SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED (SILANOL TERMINATED POLYDIMETHYLSILOXANE) BM-2 | EYE UREA LT-UNK | EYE (EPDM/PHENOLIC CROSSLINKED POLYMER) NoGS DICHROMIUM TRIOXIDE (CHROMIUM OXIDE (CR2O3)) BM-1 | SKI | MAM BIS(TERT-BUTYLDIOXYISOPROPYL)BENZENE (PEROXIDE, [1,3(OR 1,4)-PHENYLENEBIS(1-METHYLETHYLIDENE)]BIS[(1,1-DIMETHYLETHYL)) LT-P1 | PBT 2-(TERT-BUTYLAMINOTHIO)BENZOTHIAZOLE (2-BENZOTHIAZOLESULFENAMIDE, N-(1,1-DIMETHYLETHYL)-) LT-P1 | MUL | AQU MERCAPTOBENZOTHIAZOLE (2(3H)-BENZOTHIAZOLETHIONE) LT-1 | CAN | END | SKI | MUL | AQU 2,2'-DIBENZOTHIAZYL DISULFIDE (BENZOTHIAZOLE, 2,2'-DITHIOBIS-) LT-P1 | SKI | MUL | AQU 4,4'-DITHIODIMORPHOLINE (MORPHOLINE, 4,4'-DITHIOBIS-) LT-P1 | MUL STEARIC ACID (STEARIC ACID) LT-P1 | END SULFUR, PRECIPITATED (SULFUR, ELEMENTAL) LT-UNK | SKI | MAM ZINC, BIS(DIBUTYLDITHIOCARBAMATO)- (ZINC, BIS(DIBUTYLCARBAMODITHIOATO-S,S')-, (T-4)-) LT-P1 | END | MUL | SKI | EYE | AQU | MAM AS RESIN (STYRENE-ACRYLONITRILE COPOLYMERS) LT-UNK HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL) (DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC) LT-1 | CAN | MUL | SKI | DEV KAOLIN, CALCINED LT-UNK ZINC OXIDE BM-1 | END | MUL | AQU | MAM | REP ]

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**  
VOC Content data is not applicable for this product category.

**COMPLIANCE** See Section 3 for additional listings.  
VOC emissions: Inherently non-emitting source per LEED

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

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 3.0, available on the HPDC website at: [www.hpd-collaborative.org/hpd-3-0-standard](http://www.hpd-collaborative.org/hpd-3-0-standard)

RELIANCE UNIT WALL CAPTURED AND NON-CAPTURED SILICONE GLAZED

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residual and impurity data was collected from suppliers and those that fall above the chosen threshold are reported.

OTHER PRODUCT NOTES:

6063 ALUMINUM ID: UNS A96063

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

|                      |                       |          |          |                                    |
|----------------------|-----------------------|----------|----------|------------------------------------|
| %: 80.0000 - 85.0000 | GreenScreen: MULTIPLE | RC: Both | NANO: No | MATERIAL ROLE: Structure component |
|----------------------|-----------------------|----------|----------|------------------------------------|

| HAZARD TYPE                                                  | AGENCY AND LIST TITLES | WARNINGS |
|--------------------------------------------------------------|------------------------|----------|
| Hazard Screening is not applicable to this Special Condition |                        |          |

METAL ALLOY HPD: See alloy HPD for alloying content inventory, GreenScreen scores, and hazards: [ UNS A96063 ]

METAL ALLOY NOTES: In compliance with HPDC Special Conditions Policy for Metal Alloys, the listed alloy is considered the ingredient in this product, and is reported without information regarding its alloying elements. Metal alloys have different intrinsic characteristics, including health and environmental hazards, than their alloying elements. An alloy HPD with alloying element content inventory, their GreenScreen scores, and hazards is available at the link above.

ALLOYING ELEMENTS

- Aluminum (Al)  
CASRN: 7429-90-5  
Percentage: 97.4 % - 99.9 %  
Element Role: Alloy element  
GreenScreen Score: LT-P1

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                  |
|---------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br>Children's Toy Products |

- Magnesium (Mg)  
CASRN: 7439-95-4  
Percentage: 0.6 % - 0.9 %  
Element Role: Alloy element  
GreenScreen Score: LT-UNK

No listings found on Additional Hazard Lists

- Silicon (Si)  
CASRN: 7440-21-3  
Percentage: 0.3 % - 0.6 %  
Element Role: Alloy element  
GreenScreen Score: LT-UNK

**• Iron (Fe)**

CASRN: 7439-89-6  
Percentage: 0.15 % - 0.35 %  
Element Role: Alloy element  
GreenScreen Score: LT-P1

No listings found on Additional Hazard Lists

**• Manganese (Mn)**

CASRN: 7439-96-5  
Percentage: 0 % - 0.15 %  
Element Role: Alloy element  
GreenScreen Score: LT-P1

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                  |
|---------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br>Children's Toy Products |

**• Zinc (Zn)**

CASRN: 7440-66-6  
Percentage: 0 % - 0.15 %  
Element Role: Alloy element  
GreenScreen Score: LT-P1

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

**• Copper (Cu)**

CASRN: 7440-50-8  
Percentage: 0 % - 0.1 %  
Element Role: Alloy element  
GreenScreen Score: LT-P1

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                               |
|---------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br>Precautionary list of substances recommended for avoidance                                     |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br>Antimicrobials                                                                    |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br>Children's Toy Products              |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br>Cosmetics and Personal Care Products |

**• Titanium (Ti)**

CASRN: 7440-32-6  
Percentage: 0 % - 0.1 %  
Element Role: Alloy element  
GreenScreen Score: LT-UNK

No listings found on Additional Hazard Lists

MATERIAL CONTENT NOTES: Recycled aluminum comes from pre-consumer aluminum scrap and various post-consumer sources.

|                                                                  |                          |                 |                                                  |                               |
|------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:15</b> |                               |
| ?: <b>0.0000 - 5.0000</b>                                        | GreenScreen: <b>BM-1</b> | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Filler</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     |                 | WARNINGS                                         |                               |
| None found                                                       |                          |                 | No warnings found on HPD Priority Hazard Lists   |                               |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE     |                 | NOTIFICATION                                     |                               |
| None found                                                       |                          |                 | No listings found on Additional Hazard Lists     |                               |
| SUBSTANCE NOTES:                                                 |                          |                 |                                                  |                               |

DIMETHICONE (SILOXANES AND SILICONES, DI-ME)

ID: 63148-62-9

|                                                                  |                          |                 |                                                                    |                                        |
|------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:16</b>                   |                                        |
| %: <b>0.0000 - 5.0000</b>                                        | GreenScreen: <b>BM-2</b> | RC: <b>None</b> | NANO: <b>No</b>                                                    | SUBSTANCE ROLE: <b>Polymer species</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     |                 | WARNINGS                                                           |                                        |
| PBT                                                              | EC - CEPA DSL            |                 | Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans |                                        |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE     |                 | NOTIFICATION                                                       |                                        |
| None found                                                       |                          |                 | No listings found on Additional Hazard Lists                       |                                        |
| SUBSTANCE NOTES:                                                 |                          |                 |                                                                    |                                        |

SILOXANES AND SILICONES, DI-ME, VINYL GROUP-TERMINATED (VINYL SILICONE POLYMER)

ID: 68083-19-2

|                                                                  |                          |                 |                                                  |                                        |
|------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:16</b> |                                        |
| ?: <b>0.0000 - 5.0000</b>                                        | GreenScreen: <b>BM-1</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:                                                 |                          |                 |                                                  |                                        |

TERT-BUTYL PEROXYBENZOATE (BENZENECARBOPEROXOIC ACID, 1,1-DIMETHYLETHYL ESTER)

ID: 614-45-9

|                                                                  |                           |                 |                                                  |                                  |
|------------------------------------------------------------------|---------------------------|-----------------|--------------------------------------------------|----------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:17</b> |                                  |
| ?: <b>0.0000 - 5.0000</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Activator</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                  |
|---------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| MUL                 | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                |
| EYE                 | GHS - New Zealand                           | Eye irritation category 2                                                                                                 |
| AQU                 | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1                                                                   |
| MAM                 | GHS - Japan                                 | H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2]       |
| 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                                                                 |
| PHY                 | GHS - New Zealand                           | Organic peroxide type C                                                                                                   |
| PHY                 | GHS - Japan                                 | H242 - Heating may cause a fire [Organic peroxides - Type C]                                                              |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                        | NOTIFICATION                                                                                                              |
| None found          |                                             | No listings found on Additional Hazard Lists                                                                              |
| SUBSTANCE NOTES:    |                                             |                                                                                                                           |

SILICA GEL (SILICA GEL, PPTD., CRYST.-FREE)

ID: 112926-00-8

|                                                                  |                            |                 |                                                                                                         |                               |
|------------------------------------------------------------------|----------------------------|-----------------|---------------------------------------------------------------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:17</b>                                                        |                               |
| %: <b>0.0000 - 5.0000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b>                                                                                         | SUBSTANCE ROLE: <b>Filler</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       |                 | WARNINGS                                                                                                |                               |
| 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:                                                 |                            |                 |                                                                                                         |                               |

SILOXANES AND SILICONES, DI-ME, ME VINYL, POLYMERS WITH ME PH SILSESQUIOXANES

ID: 68037-69-4

|                                                                  |                            |                 |                                                  |                                        |
|------------------------------------------------------------------|----------------------------|-----------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:16</b> |                                        |
| %: <b>0.0000 - 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                                       |
|---------------------|----------------------|------------------------------------------------|
| 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:

## SILOXANES AND SILICONES, DI-ME, ME VINYL, VINYL GROUP-TERMINATED

ID: 68083-18-1

|                                                                  |                            |                 |                                                  |                                        |
|------------------------------------------------------------------|----------------------------|-----------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:16</b> |                                        |
| %: <b>0.0000 - 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                                         |                                        |
| 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:                                                 |                            |                 |                                                  |                                        |

SUBSTANCE NOTES:

**QUARTZ**

ID: 14808-60-7

|                                                                  |  |                          |                                                  |                 |                               |
|------------------------------------------------------------------|--|--------------------------|--------------------------------------------------|-----------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |  |                          | HAZARD SCREENING DATE: <b>2025-12-18 8:53:16</b> |                 |                               |
| %: <b>0.0000 - 5.0000</b>                                        |  | GreenScreen: <b>BM-1</b> | RC: <b>None</b>                                  | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Filler</b> |

**%: 0.0000 - 5.0000**

GreenScreen: **BM-1**

RC: None

NANO: **No**

SUBSTANCE ROLE: **Filler**

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

|                                                           |                   |                                           |          |                         |
|-----------------------------------------------------------|-------------------|-------------------------------------------|----------|-------------------------|
| FERRIC OXIDE                                              |                   | ID: 1309-37-1                             |          |                         |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2025-12-18 8:53:17 |          |                         |
| %: 0.0000 - 5.0000                                        | GreenScreen: BM-1 | RC: None                                  | NANO: No | SUBSTANCE ROLE: Pigment |

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS                                                                                                                                                    |
|---------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                 | MAK                  | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**                                                              |
| MAM                 | GHS - Japan          | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]** |
| MAM                 | GHS - Japan          | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]**                                          |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                                                                                                                                |
| None found          |                      | No listings found on Additional Hazard Lists                                                                                                                |

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

**DODECAMETHYLCYCLOHEXASILOXANE (D6)  
 (CYCLOHEXASILOXANE, DODECAMETHYL-)**

ID: **540-97-6**

|                                                                  |                          |                 |                                                                                                          |                                |
|------------------------------------------------------------------|--------------------------|-----------------|----------------------------------------------------------------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:18</b>                                                         |                                |
| %: <b>0.0000 - 3.0000</b>                                        | GreenScreen: <b>BM-1</b> | RC: <b>None</b> | NANO: <b>No</b>                                                                                          | SUBSTANCE ROLE: <b>Monomer</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     |                 | WARNINGS                                                                                                 |                                |
| PBT                                                              | EC - CEPA DSL            |                 | Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms) |                                |
| PBT                                                              | ChemSec - SIN List       |                 | PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)               |                                |
| PBT                                                              | EU - SVHC List           |                 | PBT - Candidate list                                                                                     |                                |
| PBT                                                              | EU - SVHC List           |                 | vPvB - Candidate list                                                                                    |                                |
| PBT                                                              | EU - SVHC List           |                 | PBT - Prioritized for listing                                                                            |                                |
| PBT                                                              | EU - SVHC List           |                 | vPvB - Prioritized for listing                                                                           |                                |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                 |
|---------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Some Solvents                                                                   |
| 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>Using Optimized Materials - Silver |
| SUBSTANCE NOTES:    |                                                         |                                                                                                                              |

|                                                                              |                                       |                                                |                                           |                        |
|------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------|-------------------------------------------|------------------------|
| HEXAMETHYLDISILAZANE TREATED SILICA DIOXIDE<br>(AMORPHOUS SILICA (MODIFIED)) |                                       |                                                |                                           | ID: 68909-20-6         |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                    |                                       |                                                | HAZARD SCREENING DATE: 2025-12-18 8:53:18 |                        |
| %: 0.0000 - 2.0000                                                           | GreenScreen: BM-1                     | 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                                   |                                           |                        |
| RESTRICTED LIST                                                              | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List          |                                           |                        |
|                                                                              |                                       | Antimicrobials                                 |                                           |                        |
| SUBSTANCE NOTES:                                                             |                                       |                                                |                                           |                        |

|                                                                                                                                                                                   |                          |                                                  |                 |                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------|-----------------|----------------------------------------|
| <b>SILOXANES AND SILICONES, DI-ME, HYDROXYL-TERMINATED, REACTION PRODUCTS WITH SILICA (SILOXANES AND SILICONES, DIMETHYL, HYDROXYL TERMINATED, REACTION PRODUCTS WITH SILICA)</b> |                          |                                                  |                 | ID: <b>102782-80-9</b>                 |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                                  |                          | HAZARD SCREENING DATE: <b>2025-12-18 8:53:19</b> |                 |                                        |
| ?: <b>0.0000 - 2.0000</b>                                                                                                                                                         | GreenScreen: <b>NoGS</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:

NEPHELINE SYENITE (NEPHELINE SYENITE)

ID: 37244-96-5

|                                                                  |                            |                                                |                                                  |                               |
|------------------------------------------------------------------|----------------------------|------------------------------------------------|--------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                | HAZARD SCREENING DATE: <b>2025-12-18 8:53:19</b> |                               |
| ?: <b>0.0000 - 2.0000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Filler</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       | WARNINGS                                       |                                                  |                               |
| None found                                                       |                            | No warnings found on HPD Priority Hazard Lists |                                                  |                               |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE       | NOTIFICATION                                   |                                                  |                               |
| None found                                                       |                            | No listings found on Additional Hazard Lists   |                                                  |                               |
| SUBSTANCE NOTES:                                                 |                            |                                                |                                                  |                               |

CYCLOTETRAILOXANE, 2,2,4,4,6,6,8,8-OCTAMETHYL-,  
REACTION PRODUCTS WITH SILICA (CYCLOTETRAILOXANE,  
OCTAMETHYL-, REACTION PRODUCTS WITH SILICA)

ID: 68583-49-3

|                                                                  |                          |                                                |                                                  |                                        |
|------------------------------------------------------------------|--------------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                                | HAZARD SCREENING DATE: <b>2025-12-18 8:53:20</b> |                                        |
| ?: <b>0.0000 - 2.0000</b>                                        | GreenScreen: <b>NoGS</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:                                                 |                          |                                                |                                                  |                                        |

TITANIUM DIOXIDE

ID: 13463-67-7

|                                                                  |                          |                 |                                                  |                                |
|------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:20</b> |                                |
| ?: <b>0.0000 - 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                                                                                                                                                |
| POSITIVE LIST       | US Environmental Protection Agency (US EPA)              | US EPA - DfE Safer Chemicals Ingredients list (SCIL)                                                                                                        |
|                     |                                                          | Colorants - Green Circle (Verified Low Concern)                                                                                                             |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025                                                                          |
|                     |                                                          | Cosmetics and Personal Care Products                                                                                                                        |

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

|                                                           |                   |          |                                           |                         |               |
|-----------------------------------------------------------|-------------------|----------|-------------------------------------------|-------------------------|---------------|
| CARBON BLACK                                              |                   |          |                                           |                         | ID: 1333-86-4 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   |          | HAZARD SCREENING DATE: 2025-12-18 8:53:19 |                         |               |
| %: 0.0000 - 1.0000                                        | GreenScreen: BM-1 | RC: None | NANO: No                                  | SUBSTANCE ROLE: Pigment |               |

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

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

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

TOLUENE

ID: 108-88-3

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                             |                                                                                       | HAZARD SCREENING DATE: 2025-12-18 8:53:19 |                          |
|-----------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------|--------------------------|
| ?: 0.0000 - 1.0000                                        | GreenScreen: BM-1                           | RC: None                                                                              | NANO: No                                  | SUBSTANCE ROLE: Residual |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                        | WARNINGS                                                                              |                                           |                          |
| END                                                       | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                         |                                           |                          |
| MUL                                                       | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                     |                                           |                          |
| DEV                                                       | G&L - Neurotoxic Chemicals                  | Developmental Neurotoxicant                                                           |                                           |                          |
| DEV                                                       | CA EPA - Prop 65                            | Developmental toxicity                                                                |                                           |                          |
| REP                                                       | GHS - Japan                                 | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A] |                                           |                          |
| SKI                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1   | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                |                                           |                          |
| PHY                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1   | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]            |                                           |                          |
| DEV                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1   | H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]   |                                           |                          |

|     |                                           |                                                                                                                                                           |
|-----|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAM | GHS - Japan                               | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |
| SKI | GHS - New Zealand                         | Skin irritation category 2                                                                                                                                |
| EYE | GHS - New Zealand                         | Eye irritation category 2                                                                                                                                 |
| SKI | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| MAM | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM | GHS - Japan                               | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| SKI | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |
| REP | GHS - New Zealand                         | Reproductive toxicity category 2                                                                                                                          |
| REP | GHS - Korea                               | H361 - Suspected of damaging fertility or the unborn child [Reproductive toxicity - Category 2]                                                           |
| REP | EU - Annex VI CMRs                        | Reproductive Toxicity - Category 2                                                                                                                        |
| SKI | GHS - Korea                               | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| AQU | GHS - Japan                               | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                                                                  |
| SKI | GHS - Malaysia                            | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| PHY | GHS - Korea                               | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                                                                |
| PHY | GHS - New Zealand                         | Flammable liquids category 2                                                                                                                              |
| PHY | GHS - Japan                               | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                                                                |
| PHY | GHS - Malaysia                            | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                                                                |
| DEV | GHS - Malaysia                            | H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]                                                                       |
| PHY | GHS - Australia                           | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                                                                |
| DEV | GHS - Japan                               | H362 - May cause harm to breast-fed children [Developmental Toxicity - May cause harm to breast-fed children]                                             |
| MAM | EU - GHS (H-Statements) Annex 6 Table 3-1 | H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]                                                                      |
| MAM | GHS - Malaysia                            | H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]                                                                      |
| MAM | GHS - Australia                           | H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]                                                                      |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                       |
|---------------------|---------------------------------------------------------|------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List                                              |
|                     |                                                         | Some Solvents                                                                      |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 |
|                     |                                                         | All Products                                                                       |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 |
|                     |                                                         | Cosmetics and Personal Care Products                                               |

SUBSTANCE NOTES:

2,2'-AZOBIS(2-METHYLBUTYRONITRILE) (BUTANENITRILE, 2,2'-AZOBIS[2-METHYL-)

ID: 13472-08-7

|                                                                  |                            |                                                |                                                  |                                     |
|------------------------------------------------------------------|----------------------------|------------------------------------------------|--------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                | HAZARD SCREENING DATE: <b>2025-12-18 8:53:20</b> |                                     |
| ?: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Curing agent</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:                                                 |                            |                                                |                                                  |                                     |

DECAMETHYLCYCLOPENTASILOXANE (D5) (CYCLOPENTASILOXANE, DECAMETHYL-)

ID: 541-02-6

|                                                                  |                          |                 |                                                  |                                |
|------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:21</b> |                                |
| ?: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>BM-1</b> | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Monomer</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                 |
|---------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor                                                                            |
| PBT                 | OR DEQ - Priority Persistent Pollutants                 | Priority Persistent Pollutant - Tier 1                                                                   |
| PBT                 | EC - CEPA DSL                                           | Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms) |
| PBT                 | ChemSec - SIN List                                      | PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)               |
| PBT                 | EU - SVHC List                                          | PBT - Candidate list                                                                                     |
| PBT                 | EU - SVHC List                                          | vPvB - Candidate list                                                                                    |
| PBT                 | EU - SVHC List                                          | PBT - Prioritized for listing                                                                            |
| PBT                 | EU - SVHC List                                          | vPvB - Prioritized for listing                                                                           |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                             |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Some Solvents                                               |
| 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:    |                                                         |                                                                                                          |

P,P'-OXYBIS(BENZENESULFONYL HYDRAZIDE)

ID: 80-51-3

|                                                                  |                           |                                                  |                 |                                     |
|------------------------------------------------------------------|---------------------------|--------------------------------------------------|-----------------|-------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           | HAZARD SCREENING DATE: <b>2025-12-18 8:53:21</b> |                 |                                     |
| ?: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b>                                  | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Curing agent</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                  |
|---------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| MUL                 | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                                                         |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1   | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| MAM                 | GHS - Japan                                 | H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2]       |
| AQU                 | GHS - Japan                                 | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU                 | GHS - Japan                                 | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                                  |
| PHY                 | GHS - New Zealand                           | Self-reactive substances and mixtures type D                                                                              |
| PHY                 | GHS - Japan                                 | H242 - Heating may cause a fire [Self-reactive substances and mixtures - Type D]                                          |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                        | NOTIFICATION                                                                                                              |
| None found          |                                             | No listings found on Additional Hazard Lists                                                                              |
| SUBSTANCE NOTES:    |                                             |                                                                                                                           |

## SILICONES

ID: **63148-53-8**

|                                                                  |                          |                 |                                                  |                                        |
|------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:19</b> |                                        |
| %: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>NoGS</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:                                                 |                          |                 |                                                  |                                        |

## SILICON DIOXIDE (AMORPHOUS SILICA)

ID: **7631-86-9**

|                                                                  |                          |                                                  |                 |                               |
|------------------------------------------------------------------|--------------------------|--------------------------------------------------|-----------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2025-12-18 8:53:19</b> |                 |                               |
| %: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>BM-1</b> | RC: <b>None</b>                                  | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Filler</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                  | WARNINGS                                                                                                                                                  |
|---------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                 | GHS - Japan                           | H350 - May cause cancer [Carcinogenicity - Category 1A]                                                                                                   |
| CAN                 | GHS - Australia                       | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]                                                                              |
| MAM                 | GHS - Japan                           | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |
| MAM                 | GHS - Japan                           | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM                 | GHS - Australia                       | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                                                               |
| SUBSTANCE NOTES:    |                                       |                                                                                                                                                           |

BIS(2,4-DICHLOROBENZOYL)PEROXIDE (PEROXIDE, BIS(2,4-DICHLOROBENZOYL))

ID: 133-14-2

|                                                                  |                                             |                                                  |                                              |                                  |
|------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------|----------------------------------------------|----------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             | HAZARD SCREENING DATE: <b>2025-12-18 8:53:20</b> |                                              |                                  |
| %: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>LT-P1</b>                   | RC: <b>None</b>                                  | NANO: <b>No</b>                              | SUBSTANCE ROLE: <b>Activator</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                        |                                                  | WARNINGS                                     |                                  |
| MUL                                                              | German FEA - Substances Hazardous to Waters |                                                  | Class 2 - Hazard to Waters                   |                                  |
| SKI                                                              | GHS - New Zealand                           |                                                  | Skin irritation category 2                   |                                  |
| EYE                                                              | GHS - New Zealand                           |                                                  | Eye irritation category 2                    |                                  |
| PHY                                                              | GHS - New Zealand                           |                                                  | Organic peroxide type D                      |                                  |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                        |                                                  | NOTIFICATION                                 |                                  |
| None found                                                       |                                             |                                                  | No listings found on Additional Hazard Lists |                                  |
| SUBSTANCE NOTES:                                                 |                                             |                                                  |                                              |                                  |

ABS RESIN (ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER)

ID: 9003-56-9

|                                                                  |                            |                 |                                                  |                                        |
|------------------------------------------------------------------|----------------------------|-----------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:21</b> |                                        |
| ?: <b>0.0000 - 1.0000</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:    |                      |                                                |

LIME (CALCIUM OXIDE)

ID: 1305-78-8

|                                                                  |                                       |                                                                                                                                                           |                 |                                   |
|------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                       | HAZARD SCREENING DATE: <b>2025-12-18 8:53:21</b>                                                                                                          |                 |                                   |
| %: <b>0.0000 - 1.0000</b>                                        | GreenScreen: <b>BM-2</b>              | RC: <b>None</b>                                                                                                                                           | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Stabilizer</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                  | WARNINGS                                                                                                                                                  |                 |                                   |
| SKI                                                              | GHS - Australia                       | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |                 |                                   |
| MAM                                                              | GHS - Japan                           | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                 |                                   |
| MAM                                                              | GHS - Japan                           | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |                 |                                   |
| SKI                                                              | GHS - New Zealand                     | Skin corrosion category 1C                                                                                                                                |                 |                                   |
| EYE                                                              | GHS - New Zealand                     | Serious eye damage category 1                                                                                                                             |                 |                                   |
| EYE                                                              | GHS - Japan                           | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]                                                                       |                 |                                   |
| SKI                                                              | GHS - Japan                           | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |                 |                                   |
| EYE                                                              | GHS - Australia                       | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]                                                                         |                 |                                   |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                  | NOTIFICATION                                                                                                                                              |                 |                                   |
| RESTRICTED LIST                                                  | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List                                                                                                                     |                 |                                   |
|                                                                  |                                       | Antimicrobials                                                                                                                                            |                 |                                   |
| SUBSTANCE NOTES:                                                 |                                       |                                                                                                                                                           |                 |                                   |

VAROX (PEROXIDE, (1,1,4,4-TETRAMETHYL-1,4-BUTANEDIYL)BIS[(1,1-DIMETHYLETHYL))

ID: 78-63-7

|                                                           |                    |                                           |          |                           |
|-----------------------------------------------------------|--------------------|-------------------------------------------|----------|---------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    | HAZARD SCREENING DATE: 2025-12-18 8:53:21 |          |                           |
| %: 0.0000 - 0.5000                                        | GreenScreen: LT-P1 | RC: None                                  | NANO: No | SUBSTANCE ROLE: Activator |

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS                                                                                                 |
|---------------------|----------------------|----------------------------------------------------------------------------------------------------------|
| PBT                 | EC - CEPA DSL        | Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms) |
| SKI                 | GHS - New Zealand    | Skin irritation category 2                                                                               |
| EYE                 | GHS - New Zealand    | Eye irritation category 2                                                                                |
| PHY                 | GHS - Japan          | H242 - Heating may cause a fire [Organic peroxides - Type C]                                             |
| PHY                 | GHS - New Zealand    | Organic peroxide type D                                                                                  |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                                                                             |
| None found          |                      | No listings found on Additional Hazard Lists                                                             |

SUBSTANCE NOTES:

C.I. PIGMENT BLACK 26ID: 68186-94-7

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      | HAZARD SCREENING DATE: 2025-12-18 8:53:22      |          |                         |
|-----------------------------------------------------------|----------------------|------------------------------------------------|----------|-------------------------|
| ?: 0.0000 - 0.5000                                        | GreenScreen: BM-1    | RC: None                                       | NANO: No | SUBSTANCE ROLE: Pigment |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                       |          |                         |
| None found                                                |                      | No warnings found on HPD Priority Hazard Lists |          |                         |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE | NOTIFICATION                                   |          |                         |
| None found                                                |                      | No listings found on Additional Hazard Lists   |          |                         |

SUBSTANCE NOTES:

CERIUM HYDROXIDE (CE(OH)4), (T-4)-ID: 12014-56-1

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      | HAZARD SCREENING DATE: 2025-12-18 8:53:23      |          |                            |
|-----------------------------------------------------------|----------------------|------------------------------------------------|----------|----------------------------|
| ?: 0.0000 - 0.5000                                        | GreenScreen: LT-UNK  | RC: None                                       | NANO: No | SUBSTANCE ROLE: Stabilizer |
| 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:

C.I. PIGMENT BLACK 28ID: 68186-91-4

|                                                           |  |                                           |  |  |
|-----------------------------------------------------------|--|-------------------------------------------|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |  | HAZARD SCREENING DATE: 2025-12-18 8:53:24 |  |  |
|-----------------------------------------------------------|--|-------------------------------------------|--|--|

%: 0.0000 - 0.5000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

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

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

SUBSTANCE NOTES:

DICUMYL PEROXIDE (DICUMYL-PEROXIDE)

ID: 80-43-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-12-18 8:53:26

%: 0.0000 - 0.5000

GreenScreen: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Activator

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                                                  |
|-------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                         |
| REP         | GHS - Japan                                 | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]                                                                     |
| DEV         | GHS - Australia                             | H360D - May damage the unborn child [Reproductive toxicity - Category 1A or 1B]                                                                           |
| SKI         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| EYE         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]                                      |
| DEV         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H360D - May damage the unborn child [Reproductive toxicity - Category 1A or 1B]                                                                           |
| MAM         | GHS - Japan                                 | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |
| 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 - Japan                                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| SKI         | GHS - New Zealand                           | Skin sensitisation category 1                                                                                                                             |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 2                                                                                                 |
| REP         | GHS - New Zealand                           | Reproductive toxicity category 2                                                                                                                          |
| 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                             | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]                                      |
| REP         | EU - SVHC List                              | Toxic to reproduction - Candidate list                                                                                                                    |
| REP         | EU - REACH Annex XVII CMRs                  | Reproductive toxicants: Category 1B                                                                                                                       |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                   |
|---------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 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:    |                                                         |                                                                                                                                |

STEEL

ID: 12597-69-2

|                                                                  |                          |                                                  |                 |                                 |
|------------------------------------------------------------------|--------------------------|--------------------------------------------------|-----------------|---------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2025-12-18 8:53:22</b> |                 |                                 |
| %: <b>0.0000 - 0.5000</b>                                        | GreenScreen: <b>NoGS</b> | RC: <b>None</b>                                  | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Hardware</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:                                                 |                          |                                                  |                 |                                 |

CI 77346 (C.I. PIGMENT BLUE 28)

ID: 1345-16-0

|                                                                  |                                                         |                                                  |                                                                                    |                                |
|------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                         | HAZARD SCREENING DATE: <b>2025-12-18 8:53:23</b> |                                                                                    |                                |
| %: <b>0.0000 - 0.5000</b>                                        | GreenScreen: <b>LT-1</b>                                | RC: <b>None</b>                                  | NANO: <b>No</b>                                                                    | SUBSTANCE ROLE: <b>Pigment</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                                    |                                                  | WARNINGS                                                                           |                                |
| CAN                                                              | MAK                                                     |                                                  | Carcinogen Group 2 - Considered to be carcinogenic for man                         |                                |
| RES                                                              | MAK                                                     |                                                  | Sensitizing Substance Sah - Danger of airway & skin sensitization                  |                                |
| GEN                                                              | MAK                                                     |                                                  | Germ Cell Mutagen 3a                                                               |                                |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                                    |                                                  | NOTIFICATION                                                                       |                                |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CPII) |                                                  | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 |                                |
|                                                                  |                                                         |                                                  | Children's Toy Products                                                            |                                |
| SUBSTANCE NOTES:                                                 |                                                         |                                                  |                                                                                    |                                |

|                                                                                                                                                                                               |                      |  |                                                  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--|--------------------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                                              |                      |  | HAZARD SCREENING DATE: <b>2025-12-18 8:53:24</b> |  |
| <div> <div>%: <b>0.0000 - 0.5000</b></div> <div>GreenScreen: <b>BM-2</b></div> <div>RC: <b>None</b></div> <div>NANO: <b>No</b></div> <div>SUBSTANCE ROLE: <b>Polymer species</b></div> </div> |                      |  |                                                  |  |
| HAZARD TYPE                                                                                                                                                                                   | LIST NAME AND SOURCE |  | WARNINGS                                         |  |
| EYE                                                                                                                                                                                           | GHS - New Zealand    |  | Eye irritation category 2                        |  |
| ADDITIONAL LISTINGS                                                                                                                                                                           | LIST NAME AND SOURCE |  | NOTIFICATION                                     |  |
| None found                                                                                                                                                                                    |                      |  | No listings found on Additional Hazard Lists     |  |
| SUBSTANCE NOTES:                                                                                                                                                                              |                      |  |                                                  |  |

UREA

ID: 57-13-6

|                                                                  |                                       |                 |                                                  |                                |
|------------------------------------------------------------------|---------------------------------------|-----------------|--------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                       |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:25</b> |                                |
| %: <b>0.0000 - 0.5000</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            |                                |
|                                                                  |                                       |                 | Antimicrobials                                   |                                |
| SUBSTANCE NOTES:                                                 |                                       |                 |                                                  |                                |

(EPDM/PHENOLIC CROSSLINKED POLYMER)

ID: 1021540-27-1

|                                                                  |                          |                                                |                                                  |                                        |
|------------------------------------------------------------------|--------------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                                                | HAZARD SCREENING DATE: <b>2025-12-18 8:53:25</b> |                                        |
| %: <b>0.0000 - 0.5000</b>                                        | GreenScreen: <b>NoGS</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:                                                 |                          |                                                |                                                  |                                        |

DICHRORIUM TRIOXIDE (CHROMIUM OXIDE (CR2O3))

ID: 1308-38-9

|                                                           |  |  |                                           |  |
|-----------------------------------------------------------|--|--|-------------------------------------------|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |  |  | HAZARD SCREENING DATE: 2025-12-18 8:53:22 |  |
|-----------------------------------------------------------|--|--|-------------------------------------------|--|

|                     |                                                         |                          |                                                                                                                                                           |                 |                                   |
|---------------------|---------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------|
| %: 0.0000 - 0.5000  |                                                         | GreenScreen: <b>BM-1</b> | RC: <b>None</b>                                                                                                                                           | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Stabilizer</b> |
| HAZARD TYPE         | LIST NAME AND SOURCE                                    |                          | WARNINGS                                                                                                                                                  |                 |                                   |
| SKI                 | MAK                                                     |                          | Sensitizing Substance Sh - Danger of skin sensitization                                                                                                   |                 |                                   |
| MAM                 | GHS - Japan                                             |                          | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                 |                                   |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    |                          | NOTIFICATION                                                                                                                                              |                 |                                   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) |                          | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025                                                                        |                 |                                   |
|                     |                                                         |                          | Children's Toy Products                                                                                                                                   |                 |                                   |
| SUBSTANCE NOTES:    |                                                         |                          |                                                                                                                                                           |                 |                                   |

BIS(TERT-BUTYLDIOXYISOPROPYL)BENZENE (PEROXIDE, [1,3(OR 1,4)-PHENYLENEBIS(1-METHYLETHYLIDENE) ]BIS[(1,1-DIMETHYLETHYL))

ID: 25155-25-3

|                                                                  |                           |                 |                                                                                                          |                                  |  |
|------------------------------------------------------------------|---------------------------|-----------------|----------------------------------------------------------------------------------------------------------|----------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:23</b>                                                         |                                  |  |
| %: <b>0.0000 - 0.5000</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b>                                                                                          | SUBSTANCE ROLE: <b>Activator</b> |  |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE      |                 | WARNINGS                                                                                                 |                                  |  |
| PBT                                                              | EC - CEPA DSL             |                 | Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms) |                                  |  |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE      |                 | NOTIFICATION                                                                                             |                                  |  |
| None found                                                       |                           |                 | No listings found on Additional Hazard Lists                                                             |                                  |  |
| SUBSTANCE NOTES:                                                 |                           |                 |                                                                                                          |                                  |  |

2-(TERT-BUTYLAMINOTHIO)BENZOTHAZOLE (2-BENZOTHAZOLESULFENAMIDE, N-(1,1-DIMETHYLETHYL)-)

ID: 95-31-8

|                                                                  |                                             |                           |                                                                                                                           |                 |                                    |
|------------------------------------------------------------------|---------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             |                           | HAZARD SCREENING DATE: <b>2025-12-18 8:53:24</b>                                                                          |                 |                                    |
| %: <b>0.0000 - 0.1000</b>                                        |                                             | GreenScreen: <b>LT-P1</b> | RC: <b>None</b>                                                                                                           | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Accelerator</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                        |                           | WARNINGS                                                                                                                  |                 |                                    |
| MUL                                                              | German FEA - Substances Hazardous to Waters |                           | Class 2 - Hazard to Waters                                                                                                |                 |                                    |
| 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:    |                      |                                              |

MERCAPTOBENZOTHAZOLE (2(3H)-BENZOTHAZOLETHIONE)

ID: 149-30-4

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             |                                                                                                                           | HAZARD SCREENING DATE: <b>2025-12-18 8:53:25</b> |                                    |
|------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|
| %: <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>LT-1</b>                    | RC: <b>None</b>                                                                                                           | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Accelerator</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                                                                                             |                                                  |                                    |
| SKI                                                              | MAK                                         | Sensitizing Substance Sh - Danger of skin sensitization                                                                   |                                                  |                                    |
| CAN                                                              | CA EPA - Prop 65                            | Carcinogen                                                                                                                |                                                  |                                    |
| CAN                                                              | IARC                                        | Group 2a - Agent is probably Carcinogenic to humans                                                                       |                                                  |                                    |
| MUL                                                              | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                |                                                  |                                    |
| CAN                                                              | GHS - Japan                                 | H350 - May cause cancer [Carcinogenicity - 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] |                                                  |                                    |
| SKI                                                              | GHS - New Zealand                           | Skin sensitisation category 1                                                                                             |                                                  |                                    |
| AQU                                                              | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1                                                                   |                                                  |                                    |
| AQU                                                              | GHS - Japan                                 | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |                                                  |                                    |
| AQU                                                              | GHS - Japan                                 | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |                                                  |                                    |
| AQU                                                              | GHS - Australia                             | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |                                                  |                                    |
| AQU                                                              | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 1                                                                 |                                                  |                                    |
| 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] |                                                  |                                    |
| 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 |
| SUBSTANCE NOTES:    |                                       |                                                             |

2,2'-DIBENZOTHIAZYL DISULFIDE (BENZOTHIAZOLE, 2,2'-DITHIOBIS-)

ID: 120-78-5

|                                                                  |                                             |                 |                                                                                                                           |                                    |
|------------------------------------------------------------------|---------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             |                 | HAZARD SCREENING DATE: <b>2025-12-18 8:53:26</b>                                                                          |                                    |
| %: <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>LT-P1</b>                   | RC: <b>None</b> | NANO: <b>No</b>                                                                                                           | SUBSTANCE ROLE: <b>Accelerator</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                        |                 | WARNINGS                                                                                                                  |                                    |
| SKI                                                              | MAK                                         |                 | Sensitizing Substance Sh - Danger of skin sensitization                                                                   |                                    |
| MUL                                                              | German FEA - Substances Hazardous to Waters |                 | Class 2 - Hazard to Waters                                                                                                |                                    |
| AQU                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1   |                 | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |                                    |
| AQU                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1   |                 | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |                                    |
| SKI                                                              | GHS - New Zealand                           |                 | Skin sensitisation category 1                                                                                             |                                    |
| AQU                                                              | GHS - New Zealand                           |                 | Hazardous to the aquatic environment - acute category 1                                                                   |                                    |
| AQU                                                              | GHS - Australia                             |                 | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |                                    |
| AQU                                                              | GHS - New Zealand                           |                 | Hazardous to the aquatic environment - chronic category 1                                                                 |                                    |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                        |                 | NOTIFICATION                                                                                                              |                                    |
| None found                                                       |                                             |                 | No listings found on Additional Hazard Lists                                                                              |                                    |
| SUBSTANCE NOTES:                                                 |                                             |                 |                                                                                                                           |                                    |

4,4'-DITHIODIMORPHOLINE (MORPHOLINE, 4,4'-DITHIOBIS-)

ID: 103-34-4

|                                                           |                                             |                            |                                              |                              |
|-----------------------------------------------------------|---------------------------------------------|----------------------------|----------------------------------------------|------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                             |                            | HAZARD SCREENING DATE: 2025-12-18 8:53:23    |                              |
| %: 0.0000 - 0.1000                                        | GreenScreen: LT-P1                          | RC: None                   | NANO: No                                     | SUBSTANCE ROLE: Curing agent |
| 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:

STEARIC ACID (STEARIC ACID)

ID: 57-11-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-12-18 8:53:24

|                     |                                       |                                              |          |                           |
|---------------------|---------------------------------------|----------------------------------------------|----------|---------------------------|
| %: 0.0000 - 0.1000  | GreenScreen: LT-P1                    | RC: None                                     | NANO: No | SUBSTANCE ROLE: Activator |
| HAZARD TYPE         | LIST NAME AND SOURCE                  | WARNINGS                                     |          |                           |
| END                 | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor                |          |                           |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  | NOTIFICATION                                 |          |                           |
| None found          |                                       | No listings found on Additional Hazard Lists |          |                           |

SUBSTANCE NOTES:

SULFUR, PRECIPITATED (SULFUR, ELEMENTAL)

ID: 7704-34-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-12-18 8:53:25

|                     |                                           |                                                                                                                  |          |                              |
|---------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------|------------------------------|
| %: 0.0000 - 0.1000  | GreenScreen: LT-UNK                       | RC: None                                                                                                         | NANO: No | SUBSTANCE ROLE: Curing agent |
| 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]                                           |          |                              |
| SKI                 | GHS - New Zealand                         | Skin irritation category 2                                                                                       |          |                              |
| SKI                 | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                           |          |                              |
| MAM                 | GHS - Japan                               | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] |          |                              |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                      | NOTIFICATION                                                                                                     |          |                              |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)     | GSPI - Six Classes Precautionary List                                                                            |          |                              |
|                     |                                           | Antimicrobials                                                                                                   |          |                              |

SUBSTANCE NOTES:

ZINC, BIS(DIBUTYLDITHIOCARBAMATO)- (ZINC, BIS(DIBUTYLCARBAMODITHIOATO-S,S')-, (T-4)-)

ID: 136-23-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-12-18 8:53:26

|                    |                    |          |          |                             |
|--------------------|--------------------|----------|----------|-----------------------------|
| %: 0.0000 - 0.1000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Accelerator |
|--------------------|--------------------|----------|----------|-----------------------------|

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                  |
|---------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor                                                                                             |
| MUL                 | German FEA - Substances Hazardous to Waters             | Class 2 - Hazard to Waters                                                                                                |
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                    |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                    |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | 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] |
| SKI                 | GHS - New Zealand                                       | Skin irritation category 2                                                                                                |
| EYE                 | GHS - New Zealand                                       | Eye irritation category 2                                                                                                 |
| SKI                 | GHS - New Zealand                                       | Skin sensitisation category 1                                                                                             |
| AQU                 | GHS - New Zealand                                       | Hazardous to the aquatic environment - acute category 1                                                                   |
| AQU                 | GHS - Japan                                             | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU                 | GHS - Japan                                             | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU                 | GHS - Australia                                         | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU                 | GHS - New Zealand                                       | Hazardous to the aquatic environment - chronic category 1                                                                 |
| 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] |
| EYE                 | GHS - Korea                                             | H319 - Causes serious eye irritation [Serious eye damage/irritation - 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     | 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>Children's Toy Products         |

SUBSTANCE NOTES:

AS RESIN (STYRENE-ACRYLONITRILE COPOLYMERS)

ID: 9003-54-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-12-18 8:53:26

%: 0.0000 - 0.1000 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:

HYDROTREATED HEAVY PARAFFINIC PETROLEUM  
DISTILLATES (MINERAL OIL) (DISTILLATES (PETROLEUM),  
HYDROTREATED HEAVY PARAFFINIC)

ID: 64742-54-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-12-18 8:53:25

%: 0.0000 - 0.1000 GreenScreen: LT-1 RC: None NANO: Unknown SUBSTANCE ROLE: Plasticizer

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                            |
|-------------|---------------------------------------------|-------------------------------------------------------------------------------------|
| CAN         | EU - Annex VI CMRs                          | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence               |
| MUL         | ChemSec - SIN List                          | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                |
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                   |
| CAN         | GHS - Australia                             | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]                       |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]                       |
| SKI         | GHS - Australia                             | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]              |
| DEV         | GHS - Australia                             | H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2] |
| CAN         | EU - REACH Annex XVII CMRs                  | Carcinogens: Category 1B                                                            |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                       |
|---------------------|---------------------------------------------------------|------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 |
|                     |                                                         | All Products                                                                       |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 |
|                     |                                                         | Cosmetics and Personal Care Products                                               |
| SUBSTANCE NOTES:    |                                                         |                                                                                    |

KAOLIN, CALCINED

ID: 92704-41-1

|                                                                  |                            |                                                |                                                  |                               |
|------------------------------------------------------------------|----------------------------|------------------------------------------------|--------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                | HAZARD SCREENING DATE: <b>2025-12-18 8:53:26</b> |                               |
| %: <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Filler</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       | WARNINGS                                       |                                                  |                               |
| None found                                                       |                            | No warnings found on HPD Priority Hazard Lists |                                                  |                               |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE       | NOTIFICATION                                   |                                                  |                               |
| None found                                                       |                            | No listings found on Additional Hazard Lists   |                                                  |                               |
| SUBSTANCE NOTES:                                                 |                            |                                                |                                                  |                               |

ZINC OXIDE

ID: 1314-13-2

|                                                                  |                          |                                                  |                 |                                  |
|------------------------------------------------------------------|--------------------------|--------------------------------------------------|-----------------|----------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2025-12-18 8:53:26</b> |                 |                                  |
| %: <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>BM-1</b> | RC: <b>None</b>                                  | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Activator</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                  |
|---------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors                    | Potential Endocrine Disruptor                                                                                             |
| MUL                 | German FEA - Substances Hazardous to Waters              | Class 2 - Hazard to Waters                                                                                                |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| MAM                 | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]          |
| AQU                 | GHS - New Zealand                                        | Hazardous to the aquatic environment - acute category 1                                                                   |
| AQU                 | GHS - Japan                                              | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU                 | GHS - Japan                                              | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU                 | GHS - Australia                                          | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU                 | GHS - New Zealand                                        | Hazardous to the aquatic environment - chronic category 1                                                                 |
| REP                 | GHS - Japan                                              | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                           |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                              |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Children's Toy Products         |
| SUBSTANCE NOTES:    |                                                          |                                                                                                                           |

### Section 3: Compliance

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

| VOC EMISSIONS                                | Inherently non-emitting source per LEED |                            |
|----------------------------------------------|-----------------------------------------|----------------------------|
| COMPLIANCE TYPE: Self-declaration            | ISSUE DATE: 2025-10-27                  | EXPIRY DATE: No expiration |
| CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: None |                                         |                            |
| COMPLIANCE DETAILS:                          |                                         |                            |
| COMPLIANCE SCOPE:                            |                                         |                            |
| APPLICABLE FACILITIES: All                   |                                         |                            |
| COMPLIANCE URL:                              |                                         |                            |
| 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.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PERIMETER SEALANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MANUFACTURER (OR GENERIC): Generic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HPD URL: No HPD Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ACCESSORY TYPE: Installation Accessory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Due to varying job conditions, all perimeter sealants used should be approved by the sealant manufacturer to ensure the sealant will function for the conditions shown in these instructions and shop drawings. Sealants must be compatible with all surfaces where adhesion is required, including other sealant surfaces. Consult sealant manufacturer for review and recommendation of sealant application. Follow sealant manufacturer's recommendations and literature for proper installation. Testing of component materials for use in a SSG system is mandatory to fulfill project specifications and warranty requirements and must be submitted by the glazing contractor to the structural silicone manufacturer. See the Reliance Unit Wall Installation Manual for full details: <a href="https://cdn.obe.com/wp-content/uploads/2024/07/im_Reliance-Unit-Wall_Install.pdf">https://cdn.obe.com/wp-content/uploads/2024/07/im_Reliance-Unit-Wall_Install.pdf</a> |

### Section 5: General Notes

- Overall system dimensions:  
Captured: 2 1/2" (63.5mm) x 7" (177.8mm)  
2 1/2" (63.5mm) x 8" (203.2mm)  
Non-Captured: 2 1/2" (63.5mm) x 6 1/4" (158.75mm)  
2 1/2" (63.5mm) x 7 1/4" (184.15mm)
- Tested up to +/- 1/2" vertical movement per floor
- Factory assembled, sealed and glazed
- Installed from floor slab; staging not required
- Reduced field labor
- Enhanced thermal performance with reinforced polyamide struts
- Shadow box spandrel panel option
- Full rain screen design
- Standardized detailing and components
- Dual finish capability
- Accepts steel reinforcing for various structural requirements
- Accommodates operable vents for both Captured and
- Non-captured system options
- Factory painted Kynar 500®/Hylar 5000® finishes, meeting all provisions of AAMA 2605
- Factory anodized finishing

## MANUFACTURER INFORMATION

MANUFACTURER: **Oldcastle BuildingEnvelope®**  
ADDRESS: **5005 LBJ Freeway**  
**Suite 1050**  
**Dallas, TX 75244**  
COUNTRY: **United States**

WEBSITE: **www.obe.com**  
CONTACT NAME: **Kristin Nolan**  
TITLE: **Director - Product Support**  
PHONE: **866-653-2278**  
EMAIL: **knolan@obe.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 for compliance with the HPD standard noted.*