

HPD UNIQUE IDENTIFIER: 414999502848

CLASSIFICATION: 10 11 33.13 Horizontal-Sliding Visual Display Units

PRODUCT DESCRIPTION: Horizontal Sliding Units are custom-built to meet your needs, providing optimum display surfaces within easy reach for teaching, conferences, and training.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

| Inventory Reporting Format | Threshold Level | Residuals/Impurities Evaluation | For all contents above the threshold, the manufacturer has: |
|---|--|---|---|
| <div><div><input checked="" type="radio"/> Nested Materials Method</div><div><input type="radio"/> Basic Method</div></div> | <div><div><input type="radio"/> 100 ppm</div><div><input checked="" type="radio"/> 1,000 ppm</div><div><input type="radio"/> Per GHS SDS</div><div><input type="radio"/> Other</div></div> | <div>Completed in 14 of 14 Materials</div> <div>Explanation(s) provided for Residuals/Impurities?<div><div><input checked="" type="radio"/> Yes</div><div><input type="radio"/> No</div></div></div> | <div>Characterized<div><div><input checked="" type="radio"/> Yes</div><div><input type="radio"/> No</div></div><div><i>Provided weight and role.</i></div><div>Screened<div><div><input checked="" type="radio"/> Yes</div><div><input type="radio"/> No</div></div><div><i>Provided screening results using HPDC-approved methods.</i></div><div>Identified<div><div><input type="radio"/> Yes</div><div><input checked="" type="radio"/> No</div></div><div><i>Provided name and CAS RN or other identifier.</i></div></div></div></div> |

CONTENT IN DESCENDING ORDER OF QUANTITY

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

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

ALUMINUM TRIM [ALUMINUM BM-1] END | MAM | PHY MAGNESIUM LT-UNK | PHY | MAM | SKI | EYE SILICON, ELEMENTAL LT-UNK] PARTICLE BOARD [LIGNO-CELLULOSIC MATERIALS NoGS UREA, POLYMER WITH FORMALDEHYDE LT-P1] SKI UREA, POLYMER WITH FORMALDEHYDE AND 1,3,5-TRIAZINE-2,4,6-TRIAMINE LT-UNK FORMALDEHYDE-MELAMINE POLYMER LT-UNK AMMONIUM SULFATE LT-P1] END TITANIUM DIOXIDE BM-1 *] CAN | END | MAM UREA LT-UNK] EYE CARBON BLACK BM-1 *] CAN | EYE | MAM | PHY SLACK WAX (PETROLEUM) LT-1] CAN | MUL | DEV] PORCELAIN STEEL WRITING SURFACE [UNDISCLOSED NoGS UNDISCLOSED LT-1] CAN | RES | GEN | SKI UNDISCLOSED BM-1] MUL | EYE | MAM | GEN | REP UNDISCLOSED LT-P1] SKI | EYE | MAM UNDISCLOSED BM-3dg] CAN | MAM UNDISCLOSED LT-P1] MUL | AQU | MAM | EYE UNDISCLOSED BM-2] MAM UNDISCLOSED BM-1] END | MUL | AQU | MAM | REP UNDISCLOSED BM-1] REP | MUL | MAM | SKI | EYE UNDISCLOSED BM-1] CAN | MAM UNDISCLOSED BM-1] SKI | MAM UNDISCLOSED LT-UNK UNDISCLOSED LT-P1] END | MUL | AQU | MAM | EYE | GEN | REP | PHY | DEV UNDISCLOSED LT-UNK] CAN UNDISCLOSED LT-1 *] CAN] STEEL BACKER [IRON, ELEMENTAL LT-P1] END MANGANESE LT-P1] END | MUL | REP | MAM | AQU CHROMIUM LT-P1] END | SKI | MAM | REP | RES ZINC, ELEMENTAL LT-P1] MUL | AQU SILICON, ELEMENTAL LT-UNK COPPER LT-P1] MUL | AQU | MAM ALUMINUM BM-1] END | MAM | PHY NICKEL LT-1] CAN | MUL | RES | MAM | SKI | AQU HYDROCHLORIC ACID BM-2] MAM | SKI | EYE | AQU MOLYBDENUM LT-UNK] MAM | SKI | REP BORON LT-UNK] MAM] HONEYCOMB CORE [CELLULOSE LT-1] CAN WATER BM-4] 4 WHEEL BALL BEARING CARRIERS [UNDISCLOSED LT-P1] END UNDISCLOSED NoGS] PENDANT BOLTS [UNDISCLOSED LT-P1] END] BACK PANEL ADHESIVE [UNDISCLOSED BM-3] EYE UNDISCLOSED BM-3] EYE UNDISCLOSED LT-UNK UNDISCLOSED BM-U] CAN]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This product inventory was screened to the 1000 ppm threshold.

*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.

LAMINATING ADHESIVE [UNDISCLOSED LT-UNK UNDISCLOSED
BM-4 UNDISCLOSED LT-P1 MUL] CORK STRIP FOR MAP RAIL [
CORK NoGS CORK SHEET BINDER LT-UNK LINSEED OIL NoGS]
SHOULDER BOLTS [IRON, ELEMENTAL LT-P1 END] NYLON
WASHERS [PA66 POLYMER LT-UNK] HEX LOCKING NUTS [IRON,
ELEMENTAL LT-P1 END] MYLAR BACKING [POLYESTER LT-P1]

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

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*
VOC emissions: SCS Indoor Advantage Gold - Classroom & Office scenario

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

Third Party Verified?

- ☐ Yes
☒ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2024-10-18
PUBLISHED DATE: 2024-10-18
EXPIRY DATE: 2027-10-18

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

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

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

| | | | | |
|--|---|--|---|-------------------------------------|
| ALUMINUM TRIM | | %: 29.0900 | | |
| PRODUCT THRESHOLD: 1000 ppm | | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold. | | | | |
| OTHER MATERIAL NOTES: | | | | |
| ALUMINUM | | | | ID: 7429-90-5 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:44 | |
| %: 97.3000 - 99.3500 | GreenScreen: BM-1 | RC: Both | NANO: No | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| END | TEDX - Potential Endocrine Disruptors | | Potential Endocrine Disruptor | |
| MAM | GHS - Japan | | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] | |
| MAM | GHS - Japan | | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] | |
| PHY | GHS - Japan | | H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2] | |
| PHY | GHS - Malaysia | | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1] | |
| PHY | GHS - Australia | | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1] | |
| PHY | GHS - New Zealand | | Pyrophoric solids category 1 | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | |
| | | | Biological and Environmentally Released Materials | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | |
| | | | Children's Products | |
| SUBSTANCE NOTES: Aluminum ingots used in extrusion are produced with both pre and post consumer recycled material. Percentages may vary. | | | | |

MAGNESIUM

ID: 7439-95-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-18 12:29:45

%: 0.4500 - 0.9000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Alloy element

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|---------------------|---|--|
| PHY | EU - GHS (H-Statements) Annex 6 Table 3-1 | H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1] |
| PHY | EU - GHS (H-Statements) Annex 6 Table 3-1 | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1] |
| MAM | GHS - Japan | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |
| PHY | GHS - Australia | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1] |
| SKI | GHS - Japan | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2] |
| PHY | GHS - Australia | H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1] |
| EYE | GHS - Japan | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| None found | | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES:

SILICON, ELEMENTAL

ID: 7440-21-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-18 12:29:45

%: 0.2000 - 0.6000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Alloy element

| 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:

PARTICLE BOARD

%: 25.0100

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Wood or Lumber

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold.

OTHER MATERIAL NOTES:

LIGNO-CELLULOSIC MATERIALS ID: 65996-61-4

| | | | | |
|--|--|---|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:46 | |
| %: 80.0000 - 92.0000 | GreenScreen: NoGS | RC: None | NANO: No | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| None found | | No warnings found on HPD Priority Hazard Lists | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION | | |
| EXEMPT | European Union / European Commission (EU EC) | EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety | | |

SUBSTANCE NOTES:

UREA, POLYMER WITH FORMALDEHYDE ID: 9011-05-6

| | | | | |
|--|--|--|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:46 | |
| %: 0.0000 - 17.2000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| SKI | GHS - New Zealand | Skin sensitisation category 1 | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION | | |
| RESTRICTED LIST | Perkins+Will (P+W) | P&W - Precautionary List Precautionary list of substances recommended for avoidance | | |
| RESTRICTED LIST | International Living Future Institute (ILFI) | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2024 Red List substances to avoid in Living Building Challenge V4.0 projects | | |

SUBSTANCE NOTES:

| | | | | |
|--|--|-----------------|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:44 | |
| %: 2.0000 - 17.0000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| None found | | | No warnings found on HPD Priority Hazard Lists | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| RESTRICTED LIST | Perkins+Will (P+W) | | P&W - Precautionary List | |
| | | | Precautionary list of substances recommended for avoidance | |
| RESTRICTED LIST | International Living Future Institute (ILFI) | | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2024 | |
| | | | Red List substances to avoid in Living Building Challenge V4.0 projects | |
| SUBSTANCE NOTES: | | | | |

FORMALDEHYDE-MELAMINE POLYMER

ID: 9003-08-1

| | | | | |
|--|--|-----------------|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:45 | |
| %: 0.0000 - 2.8000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| None found | | | No warnings found on HPD Priority Hazard Lists | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| RESTRICTED LIST | International Living Future Institute (ILFI) | | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2024 | |
| | | | Red List substances to avoid in Living Building Challenge V4.0 projects | |
| SUBSTANCE NOTES: | | | | |

AMMONIUM SULFATE

ID: 7783-20-2

| | | | | |
|---|---------------------------------------|-------------------------------|--|---------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:45 | |
| %: 0.0000 - 2.3000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor | | |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|---|---|
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List |
| | | Antimicrobials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Biological and Environmentally Released Materials |
| SUBSTANCE NOTES: | | |

TITANIUM DIOXIDE

ID: 13463-67-7

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:46 | |
|---|---|---|--|-------------------------|
| %: 0.0000 - 1.5500 | GreenScreen: BM-1 | RC: None | NANO: No | SUBSTANCE ROLE: Pigment |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| CAN | US CDC - Occupational Carcinogens | Occupational Carcinogen** | | |
| CAN | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route** | | |
| CAN | IARC | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources** | | |
| CAN | MAK | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value** | | |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor** | | |
| CAN | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels** | | |
| CAN | IARC | Group 2b - Possibly carcinogenic to humans** | | |
| CAN | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]** | | |
| CAN | GHS - Japan | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]** | | |
| MAM | GHS - Japan | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]** | | |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|---|---|
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products |
| POSITIVE LIST | US Environmental Protection Agency (US EPA) | US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern) |

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

UREA

ID: **57-13-6**

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:46 | |
|--|---------------------------------------|---|---|--|
| #: 0.0300 - 1.1000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| 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:

CARBON BLACK

ID: **1333-86-4**

| | | | | |
|--|--------------------------|-----------------|---|--------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:47 | |
| #: 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.

SLACK WAX (PETROLEUM)

ID: 64742-61-6

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:47 | |
|--|---|---|---|---------------------------------|
| %: 0.1000 - 1.0000 | GreenScreen: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Adhesive |
| 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 2 - 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] | | |
| 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Children's Products |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Formulated Consumer Products |
| SUBSTANCE NOTES: | | |

PORCELAIN STEEL WRITING SURFACE %: 18.2800

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

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold. Supplier provided the substance composition ranges as shown and the ranges exceed typical inventory weight percentages as a means to protect IP.

OTHER MATERIAL NOTES:

| | | | | | |
|--|--------------------------|-----------------|---|--|-----------------|
| UNDISCLOSED | | | | | ID: Undisclosed |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:41:42 | | |
| %: 95.0000 | GreenScreen: NoGS | RC: None | NANO: No | SUBSTANCE ROLE: Structure component | |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | | |
| None found | | | No warnings found on HPD Priority Hazard Lists | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | | |
| None found | | | No listings found on Additional Hazard Lists | | |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | | | | |

| | | | | | |
|---|-------------------|----------|--|---------------------------------|-----------------|
| UNDISCLOSED | | | | | ID: Undisclosed |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:50:16 | | |
| %: 0.0000 - 5.0000 | GreenScreen: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species | |

| 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 |
| CAN | GHS - New Zealand | Carcinogenicity category 2 |
| SKI | GHS - New Zealand | Skin sensitisation category 1 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Biological and Environmentally Released Materials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Children's Products |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | |

| | | | | |
|---|-------------------|--|----------|---------------------------------|
| UNDISCLOSED | | | | ID: Undisclosed |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-10-18 12:49:40 | | |
| %, 0.0000 - 5.0000 | GreenScreen: BM-1 | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|--|--|---|
| MUL | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| EYE | GHS - New Zealand | Eye irritation category 2 |
| MAM | GHS - Japan | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| GEN | GHS - 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 |
| MAM | GHS - Japan | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] |
| MAM | GHS - New Zealand | Acute inhalation toxicity category 2 |
| REP | GHS - New Zealand | Reproductive toxicity category 2 |
| REP | GHS - New Zealand | Effects on or via lactation |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Biological and Environmentally Released Materials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Children's Products |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | |

| | | | | | |
|---|--------------------|----------|--|---------------------------------|-----------------|
| UNDISCLOSED | | | | | ID: Undisclosed |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:50:48 | | |
| %: 0.0000 - 5.0000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species | |

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|---------------------|---|--|
| SKI | EU - GHS (H-Statements) Annex 6 Table 3-1 | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] |
| EYE | GHS - New Zealand | Serious eye damage category 1 |
| EYE | GHS - Japan | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1] |
| SKI | GHS - Japan | H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1] |
| SKI | GHS - Australia | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] |
| SKI | GHS - Korea | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1] |
| SKI | GHS - New Zealand | Skin corrosion category 1B |
| MAM | Québec CSST - WHMIS 1988 | Class D1A - Very toxic material causing immediate and serious toxic effects |
| MAM | GHS - Korea | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 2] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| None found | | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

UNDISCLOSED

ID: **Undisclosed**

| | | | | |
|--|----------------------------|---|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:51:17 | |
| %: 0.0000 - 5.0000 | GreenScreen: BM-3dg | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| CAN | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels | | |
| 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: Substance is the intellectual property of the supplier and confidential

UNDISCLOSED

ID: **Undisclosed**

%: **0.0000 - 5.0000**

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Polymer species**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|--|---|---|
| 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 | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |
| EYE | GHS - New Zealand | Eye irritation category 2 |
| 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 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List |
| | | Antimicrobials |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | |

UNDISCLOSED

ID: **Undisclosed**

%: **0.0000 - 5.0000**

GreenScreen: **BM-2**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Polymer species**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|-------------|----------------------|---|
| MAM | GHS - Japan | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |
| MAM | GHS - Japan | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|--|--|---|
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Biological and Environmentally Released Materials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Children's Products |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | |

UNDISCLOSED

ID: Undisclosed

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:47:42 | |
|--|---|---|---|--|
| %: 0.0000 - 5.0000 | GreenScreen: BM-1 | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| 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 | | |
| 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 Antimicrobials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | |

UNDISCLOSED

ID: **Undisclosed**

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|--|---------------------------------------|-----------------|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:46:22 | |
| %: 0.0000 - 5.0000 ALT | GreenScreen: BM-2 | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| SKI | GHS - Australia | | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] | |
| 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: Substance is the intellectual property of the supplier and confidential | | | | |
| ALTERNATE: This substance is an alternate substance to Boron oxide. | | | | |

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|--|----------------------|----------|--|---------------------------------|--|
| UNDISCLOSED | | | | ID: Undisclosed | |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:45:36 | | |
| ?: 0.0000 - 5.0000 ALT | 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: Substance is the intellectual property of the supplier and confidential | | | | | |
| ALTERNATE: This substance is an alternate substance to Boron oxide. | | | | | |

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|--|----------------------|----------|--|---------------------------------|--|
| UNDISCLOSED | | | | ID: Undisclosed | |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:44:48 | | |
| ?: 0.0000 - 5.0000 ALT | GreenScreen: BM-2 | 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: Substance is the intellectual property of the supplier and confidential | | | | | |
| ALTERNATE: This substance is an alternate substance to Boron oxide. | | | | | |

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|--|----------------------|----------|--|---------------------------------|--|
| UNDISCLOSED | | | | ID: Undisclosed | |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:43:38 | | |
| ?: 0.0000 - 5.0000 ALT | GreenScreen: BM-2 | 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: Substance is the intellectual property of the supplier and confidential | | | | | |
| ALTERNATE: This substance is an alternate substance to Boron oxide. | | | | | |

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-10-18 12:42:37

%: 0.0000 - 5.0000

GreenScreen: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Polymer species

| 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 |
| REP | GHS - Japan | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B] |
| REP | GHS - Australia | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B] |
| REP | GHS - Korea | H360 - May damage fertility or the unborn child [Reproductive toxicity - Category 1] |
| REP | EU - GHS (H-Statements) Annex 6 Table 3-1 | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B] |
| MAM | 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 |
| EYE | GHS - Japan | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A] |
| REP | EU - SVHC List | Toxic to reproduction - Candidate list |
| REP | EU - SVHC List | Toxic to reproduction - Prioritized for listing |
| REP | EU - REACH Annex XVII CMRs | Reproductive toxicants: Category 1B |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List Antimicrobials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products |

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

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|--|---------------------------------------|-----------------|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:42:08 | |
| ?: 0.0000 - 5.0000 | GreenScreen: BM-1 | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| CAN | GHS - Japan | | H350 - May cause cancer [Carcinogenicity - Category 1A] | |
| CAN | GHS - Australia | | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B] | |
| MAM | GHS - Japan | | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] | |
| MAM | GHS - Japan | | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] | |
| MAM | GHS - Australia | | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | | GSPI - Six Classes Precautionary List | |
| | | | Antimicrobials | |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | | | |

UNDISCLOSED

ID: **Undisclosed**

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|--|----------------------------|-----------------|---|--------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 13:10:55 | |
| %: 0.0000 - 1.0000 ALT | 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: Substance is the intellectual property of the supplier and confidential | | | | |
| ALTERNATE: This substance is an alternate substance to Chromium (III) Oxide. | | | | |

UNDISCLOSED

ID: **Undisclosed**

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|--|----------------------------|-----------------|---|--------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 13:10:17 | |
| ?: 0.0000 - 1.0000 ALT | 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: Substance is the intellectual property of the supplier and confidential | | |
| ALTERNATE: This substance is an alternate substance to Chromium (III) Oxide. | | |

UNDISCLOSED

ID: **Undisclosed**

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|--|--------------------------|---|-----------------|--------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-10-18 13:09:24 | | |
| %: 0.0000 - 1.0000 ALT | 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: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Chromium (III) Oxide.

**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.

UNDISCLOSED

ID: **Undisclosed**

| | | | | |
|--|----------------------------|---|-----------------|--------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-10-18 13:11:35 | | |
| %: 0.0000 - 1.0000 ALT | 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: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Chromium (III) Oxide.

UNDISCLOSED

ID: Undisclosed

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|--|--|---|---|--------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 13:08:22 | |
| ?: 0.0000 - 1.0000 ALT | GreenScreen: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Pigment |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| CAN | MAK | Carcinogen Group 2 - Considered to be carcinogenic for man | | |
| RES | MAK | Sensitizing Substance Sah - Danger of airway & skin sensitization | | |
| GEN | MAK | Germ Cell Mutagen 3a | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION | | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | | |
| | | Biological and Environmentally Released Materials | | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | | |
| | | Children's Products | | |

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Chromium (III) Oxide.

UNDISCLOSED

ID: Undisclosed

| | | | | |
|--|----------------------------|--|---|--------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 13:07:41 | |
| ?: 0.0000 - 1.0000 ALT | 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: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Chromium (III) Oxide.

UNDISCLOSED

ID: Undisclosed

| | | | | |
|--|---|----------|---|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 13:06:37 | |
| %: 0.0000 - 1.0000 | GreenScreen: BM-1 | RC: None | NANO: No | SUBSTANCE ROLE: Pigment |
| 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 v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | |
| | | | Biological and Environmentally Released Materials | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | |
| | | | Children's Products | |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | | | |

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|--|--------------------------|-----------------|---|--|
| UNDISCLOSED | | | ID: Undisclosed | |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 13:06:01 | |
| %: 0.0000 - 1.0000 ALT | GreenScreen: BM-1 | RC: None | NANO: No | SUBSTANCE ROLE: Structure component |

| 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: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Boron oxide.
**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.

UNDISCLOSEDID: Undisclosed

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 13:04:51 | |
|---|----------------------|--|--|----------------------------|
| %: 0.0000 - 1.0000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Dispersant |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| None found | | No warnings found on HPD Priority Hazard Lists | | |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|--|--|
| EXEMPT | European Union / European Commission (EU EC) | EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety |
| POSITIVE LIST | US Environmental Protection Agency (US EPA) | US EPA - DfE Safer Chemicals Ingredients list (SCIL) Chelating Agents - Green Circle (Verified Low Concern) |

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

UNDISCLOSED

ID: **Undisclosed**

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

HAZARD SCREENING DATE: **2024-10-18 13:04:26**

%: **0.0000 - 1.0000 ALT**

GreenScreen: **LT-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Polymer species**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|-------------|---|---|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| REP | EU - Annex VI CMRs | Reproductive Toxicity - Category 1B |
| MUL | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant |
| REP | GHS - Japan | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B] |
| REP | GHS - Australia | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B] |
| REP | EU - GHS (H-Statements) Annex 6 Table 3-1 | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B] |
| MAM | GHS - Japan | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |
| EYE | GHS - New Zealand | Eye irritation category 2 |
| MAM | GHS - Japan | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| 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 | EU - SVHC List | Toxic to reproduction - Candidate list |
| REP | EU - SVHC List | Toxic to reproduction - Prioritized for listing |
| REP | EU - REACH Annex XVII CMRs | Reproductive toxicants: Category 1B |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|--|---|--|
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List Antimicrobials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | |
| ALTERNATE: This substance is an alternate substance to Boron oxide. | | |

UNDISCLOSED

ID: Undisclosed

| | | | | |
|--|---------------------------|-----------------|---|--------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 13:03:26 | |
| %: 0.0000 - 1.0000 ALT | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Carrier |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| SKI | GHS - New Zealand | | Skin irritation category 2 | |
| EYE | GHS - New Zealand | | Eye irritation category 2 | |
| EYE | GHS - Japan | | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1] | |
| SKI | GHS - Japan | | H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1] | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| None found | | | No listings found on Additional Hazard Lists | |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | | | |
| ALTERNATE: This substance is an alternate substance to Sodium nitrite. | | | | |

UNDISCLOSED

ID: Undisclosed

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|-------------------------------|---------------------------|--|-----------------|------------------------------|
| %: 0.0000 - 1.0000 ALT | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Glaze |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| SKI | GHS - New Zealand | Skin irritation category 2 | | |
| EYE | GHS - New Zealand | Eye irritation category 2 | | |
| SKI | GHS - Japan | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2] | | |
| EYE | GHS - Japan | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A] | | |
| EYE | GHS - Australia | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1] | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION | | |
| None found | | No listings found on Additional Hazard Lists | | |

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Sodium nitrite.

UNDISCLOSED

ID: **Undisclosed**

| | | | | |
|--|----------------------------|---|-----------------|------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-10-18 13:01:24 | | |
| %: 0.0000 - 1.0000 ALT | GreenScreen: BM-3dg | RC: None | NANO: No | SUBSTANCE ROLE: Glaze |
| 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 is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Sodium nitrite.

UNDISCLOSED

ID: **Undisclosed**

| | | | | |
|--|---|---|-----------------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-10-18 12:55:16 | | |
| %: 0.0000 - 1.0000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Filler |
| 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] |
| MAM | EU - GHS (H-Statements) Annex 6 Table 3-1 | H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3] |
| EYE | GHS - New Zealand | Eye irritation category 2 |
| EYE | GHS - Australia | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| GEN | GHS - Japan | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2] |
| 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 - New Zealand | Hazardous to the aquatic environment - chronic 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 - Korea | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1] |
| REP | GHS - Japan | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2] |
| MAM | GHS - Korea | H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3] |
| GEN | GHS - New Zealand | Germ cell mutagenicity category 2 |
| MAM | GHS - Australia | H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3] |
| MAM | GHS - New Zealand | Acute oral toxicity category 3 |
| EYE | GHS - Japan | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A] |
| AQU | GHS - Australia | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1] |
| MAM | GHS - Japan | H301 - Toxic if swallowed [Acute Toxicity (oral) - Category 3] |
| PHY | GHS - Korea | H272 - May intensify fire; oxidizer [Oxidizing solids - Category 2] |
| DEV | GHS - Japan | H362 - May cause harm to breast-fed children [Developmental Toxicity - May cause harm to breast-fed children] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| None found | | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

| | | | | |
|--|----------------------------|--|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:54:49 | |
| %: 0.0000 - 1.0000 ALT | 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: Substance is the intellectual property of the supplier and confidential | | | | |
| ALTERNATE: This substance is an alternate substance to Kaolin. | | | | |

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|--|----------------------------|-----------------|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:53:57 | |
| ?: 0.0000 - 1.0000 ALT | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| 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: Substance is the intellectual property of the supplier and confidential | | | | |
| ALTERNATE: This substance is an alternate substance to Kaolin. | | | | |

| | | | | |
|--|----------------------------|--|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:53:29 | |
| %: 0.0000 - 1.0000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| CAN | MAK | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION | | |
| None found | | No listings found on Additional Hazard Lists | | |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | | | |

| | | | | |
|--|---------------------------|-----------------|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:52:52 | |
| %: 0.0000 - 1.0000 ALT | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| CAN | MAK | | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels | |
| 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: Substance is the intellectual property of the supplier and confidential | | | | |
| ALTERNATE: This substance is an alternate substance to Titanium dioxide (Rutile). | | | | |

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|--|---|-----------------|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:52:24 | |
| %: 0.0000 - 1.0000 | GreenScreen: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Polymer species |
| 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** | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | |
| | | | Cosmetics & Personal Care Products | |

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

**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.

STEEL BACKER

%: **13.2500**

| | | |
|---|--|----------------------|
| PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold. | | |

IRON, ELEMENTAL

ID: 7439-89-6

| | | | | | |
|--|---------------------------------------|-----------------|---|--|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:48 | | |
| %: 41.8000 - 61.2900 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Structure component | |
| 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: | | | | | |

MANGANESE

ID: 7439-96-5

| | | | | | |
|--|--|-----------------|---|--------------------------------------|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:49 | | |
| %: 16.0000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Alloy element | |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | | |
| END | TEDX - Potential Endocrine Disruptors | | Potential Endocrine Disruptor | | |
| MUL | German FEA - Substances Hazardous to Waters | | Class 3 - Severe Hazard to Waters | | |
| REP | GHS - Japan | | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B] | | |
| MAM | GHS - Japan | | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] | | |
| MAM | GHS - Australia | | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] | | |
| AQU | GHS - New Zealand | | Hazardous to the aquatic environment - chronic category 3 | | |
| AQU | GHS - Japan | | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2] | | |
| AQU | GHS - Japan | | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CP II) | | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | | |
| | | | Biological and Environmentally Released Materials | | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CP II) | | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | | |
| | | | Children's Products | | |

SUBSTANCE NOTES:

CHROMIUM

ID: 7440-47-3

| | | | | |
|---|---|--|--|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:49 | |
| %: 0.0100 - 12.5000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Alloy element |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor | | |
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization | | |
| MAM | GHS - Japan | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] | | |
| REP | GHS - New Zealand | Reproductive toxicity category 2 | | |
| RES | GHS - Japan | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1A] | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION | | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | | |
| | | Biological and Environmentally Released Materials | | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | | |
| | | Children's Products | | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | | |
| | | Cosmetics & Personal Care Products | | |

SUBSTANCE NOTES:

ZINC, ELEMENTAL

ID: 7440-66-6

| | | | | |
|---|---|---|--|-----------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:47 | |
| %: 10.0000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Galvanizing |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| MUL | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters | | |
| AQU | GHS - New Zealand | Hazardous to the aquatic environment - acute category 1 | | |
| AQU | GHS - New Zealand | Hazardous to the aquatic environment - chronic category 1 | | |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|---|--|
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List Antimicrobials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products |
| SUBSTANCE NOTES: | | |

SILICON, ELEMENTAL

ID: **7440-21-3**

| | | | | |
|--|----------------------------|-----------------|---|--------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:48 | |
| %: 0.0000 - 5.0000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Alloy element |
| 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: | | | | |

COPPER

ID: **7440-50-8**

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-10-18 12:29:48 | | |
|--|---|--|-----------------|--------------------------------------|
| %: 3.5000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Alloy element |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| MUL | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters | | |
| AQU | EU - GHS (H-Statements) Annex 6 Table 3-1 | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] | | |
| MAM | GHS - Japan | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] | | |
| MAM | GHS - Japan | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] | | |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|---|--|
| RESTRICTED LIST | Perkins+Will (P+W) | P&W - Precautionary List Precautionary list of substances recommended for avoidance |
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List Antimicrobials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products |
| SUBSTANCE NOTES: | | |

ALUMINUM

ID: 7429-90-5

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:49 | |
|--|---------------------------------------|---|---|--------------------------------------|
| %: 3.0000 | GreenScreen: BM-1 | RC: None | NANO: No | SUBSTANCE ROLE: Alloy element |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor | | |
| MAM | GHS - Japan | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] | | |
| MAM | GHS - Japan | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] | | |
| PHY | GHS - Japan | H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2] | | |
| PHY | GHS - Malaysia | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1] | | |
| PHY | GHS - Australia | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1] | | |
| PHY | GHS - New Zealand | Pyrophoric solids category 1 | | |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|---|---|
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Biological and Environmentally Released Materials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
| | | Children's Products |

SUBSTANCE NOTES:

NICKELID: 7440-02-0

HAZARD DATA SOURCE: Pharos Chemical and Materials LibraryHAZARD SCREENING DATE: 2024-10-18 12:29:50

%: 1.0000 - 3.0000GreenScreen: LT-1RC: NoneNANO: NoSUBSTANCE ROLE: Alloy element

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|-------------|---|---|
| CAN | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CAN | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| MUL | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| CAN | IARC | Group 1 - Agent is Carcinogenic to humans |
| CAN | CA EPA - Prop 65 | Carcinogen |
| CAN | US NIH - Report on Carcinogens | Known to be a human Carcinogen |
| CAN | IARC | Group 2b - Possibly carcinogenic to humans |
| CAN | US NIH - Report on Carcinogens | Reasonably Anticipated to be Human Carcinogen |
| RES | MAK | Sensitizing Substance Sah - Danger of airway & skin sensitization |
| CAN | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| MAM | EU - GHS (H-Statements) Annex 6 Table 3-1 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |
| 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] |
| MAM | GHS - Australia | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |
| MAM | GHS - Japan | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] |
| CAN | EU - Annex VI CMRs | Carcinogen Category 2 - Suspected human Carcinogen |
| SKI | GHS - New Zealand | Skin sensitisation category 1 |
| AQU | GHS - New Zealand | Hazardous to the aquatic environment - acute category 1 |
| AQU | GHS - New Zealand | Hazardous to the aquatic environment - chronic category 1 |
| CAN | GHS - Australia | 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 Certain Metals |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Footwear, Apparel & Jewelry Products |
| SUBSTANCE NOTES: | | |

HYDROCHLORIC ACID

ID: 7647-01-0

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:48 | |
|--|---|---|---|--------------------------------|
| %: 3.0000 | GreenScreen: BM-2 | RC: None | NANO: No | SUBSTANCE ROLE: Coating |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| MAM | US EPA - EPCRA Extremely Hazardous Substances | Extremely Hazardous Substances | | |
| SKI | EU - GHS (H-Statements) Annex 6 Table 3-1 | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] | | |
| MAM | EU - GHS (H-Statements) Annex 6 Table 3-1 | H331 - Toxic if inhaled [Acute toxicity (inhalation) - 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 - Japan | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] | | |
| EYE | GHS - New Zealand | Serious eye damage category 1 | | |
| EYE | GHS - Japan | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1] | | |
| SKI | GHS - Japan | H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1] | | |
| SKI | GHS - Australia | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] | | |
| MAM | GHS - New Zealand | Acute inhalation toxicity category 2 | | |
| AQU | GHS - Japan | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1] | | |

| | | |
|---------------------|---------------------------------------|---|
| AQU | GHS - Korea | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1] |
| SKI | GHS - Korea | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1] |
| SKI | GHS - New Zealand | Skin corrosion category 1B |
| MAM | GHS - Korea | H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3] |
| MAM | Québec CSST - WHMIS 1988 | Class D1A - Very toxic material causing immediate and serious toxic effects |
| MAM | GHS - Malaysia | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3] |
| SKI | GHS - Malaysia | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] |
| EYE | GHS - Malaysia | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1] |
| MAM | GHS - Australia | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3] |
| MAM | GHS - Japan | H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2] |
| MAM | GHS - Japan | H301 - Toxic if swallowed [Acute Toxicity (oral) - Category 3] |
| MAM | GHS - Korea | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3] |
| MAM | GHS - Korea | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |
| MAM | GHS - Japan | H331 - Toxic if inhaled [Acute toxicity (inhalation: gas) - Category 3] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List |
| | | Antimicrobials |
| SUBSTANCE NOTES: | | |

| | | | | | |
|---|----------------------|----------|---|-------------------------------|--|
| MOLYBDENUM | | | | ID: 7439-98-7 | |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:49 | | |
| %: 1.1000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Alloy element | |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | | |
| MAM | GHS - Japan | | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] | | |
| SKI | GHS - Japan | | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2] | | |
| REP | GHS - New Zealand | | Reproductive toxicity category 2 | | |

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

BORON

ID: 7440-42-8

| | | | |
|--|---|---|---|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-10-18 12:29:48 | |
| %: 1.1000 | GreenScreen: LT-UNK | RC: None | NANO: No SUBSTANCE ROLE: Alloy element |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS |
| MAM | GHS - Japan | | H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | |
| | | Biological and Environmentally Released Materials | |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 | |
| | | Children's Products | |
| SUBSTANCE NOTES: | | | |

HONEYCOMB CORE

%: 5.2200

| | | |
|---|--|-----------------------------------|
| PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Paper or Cardboard |
| RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold. | | |
| OTHER MATERIAL NOTES: | | |

| | | | | |
|--|--------------------------|-----------------|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:50 | |
| %: 92.0000 - 98.0000 | GreenScreen: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| CAN | IARC | | Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources | |
| CAN | CA EPA - Prop 65 | | Carcinogen | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| None found | | | No listings found on Additional Hazard Lists | |
| SUBSTANCE NOTES: | | | | |

| | | | | |
|--|--|-----------------|--|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:50 | |
| %: 6.0000 - 7.0000 | GreenScreen: BM-4 | 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 | |
| EXEMPT | European Union / European Commission (EU EC) | | EU - REACH Exemptions | |
| | | | Exempted from REACH Annex IV listing due to intrinsic safety | |
| SUBSTANCE NOTES: | | | | |

4 WHEEL BALL BEARING CARRIERS

%: 2.7400

| | | |
|---|--|----------------------|
| PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold. | | |
| OTHER MATERIAL NOTES: | | |

| | | | | |
|--|---------------------------------------|-----------------|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:50 | |
| %: 74.2600 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Structure component |
| 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: Substance is the intellectual property of the supplier and confidential | | | | |

| | | | | |
|--|--------------------------|-----------------|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:50 | |
| %: 24.5000 | GreenScreen: NoGS | 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: Substance is the intellectual property of the supplier and confidential | | | | |

PENDANT BOLTS

%: 1.8300

| | | |
|---|--|----------------------|
| PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold. | | |
| OTHER MATERIAL NOTES: | | |

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-10-18 12:29:51

%: 94.3200

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

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: Substance is the intellectual property of the supplier and confidential

BACK PANEL ADHESIVE

%: 1.6000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold.

OTHER MATERIAL NOTES:

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-10-18 12:29:52

%: 33.1000

GreenScreen: BM-3

RC: None

NANO: No

SUBSTANCE ROLE: Filler

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: Substance is the intellectual property of the supplier and confidential

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-10-18 12:29:53

%: 27.6000

GreenScreen: BM-3

RC: None

NANO: No

SUBSTANCE ROLE: Filler

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: Substance is the intellectual property of the supplier and confidential | | |

UNDISCLOSED

ID: Undisclosed

| | | | | |
|--|----------------------------|---|-----------------|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-10-18 12:29:51 | | |
| %: 18.4000 | 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: Substance is the intellectual property of the supplier and confidential | | | | |

UNDISCLOSED

ID: Undisclosed

| | | | | |
|--|--|---|--|------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-10-18 12:29:51 | | |
| %: 16.4000 | GreenScreen: BM-U | RC: None | NANO: No | SUBSTANCE ROLE: Plasticizer |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| CAN | MAK | | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| RESTRICTED LIST | Perkins+Will (P+W) | | P&W - Precautionary List | |
| | | | Precautionary list of substances recommended for avoidance | |
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | | GSPI - Six Classes Precautionary List | |
| | | | Bisphenols and Phthalates | |
| RESTRICTED LIST | International Living Future Institute (ILFI) | | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2024 | |
| | | | Red List substances to avoid in Living Building Challenge V4.0 projects | |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | | | |

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

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold.

OTHER MATERIAL NOTES:

UNDISCLOSED

ID: Undisclosed

| | | | | |
|--|----------------------------|-----------------|---|--------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:52 | |
| %: 60.0000 - 80.0000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Diluent |
| 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 is the intellectual property of the supplier and confidential | | | | |

UNDISCLOSED

ID: Undisclosed

| | | | | |
|--|--|-----------------|--|--------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:53 | |
| %: 5.0000 - 25.0000 | GreenScreen: BM-4 | RC: None | NANO: No | SUBSTANCE ROLE: Carrier |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| None found | | | No warnings found on HPD Priority Hazard Lists | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| EXEMPT | European Union / European Commission (EU EC) | | EU - REACH Exemptions | |
| | | | Exempted from REACH Annex IV listing due to intrinsic safety | |
| SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential | | | | |

UNDISCLOSED

ID: Undisclosed

| | | | | |
|---|---|----------|--|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:53 | |
| %: 5.0000 - 15.0000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Solvent |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| MUL | German FEA - Substances Hazardous to Waters | | Class 3 - Severe Hazard to Waters | |

| | | | | |
|---|--------------------------|-----------------|---|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:51 | |
| #: 0.0000 - 43.0000 | GreenScreen: NoGS | RC: PreC | NANO: No | SUBSTANCE ROLE: Filler |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| None found | | | No warnings found on HPD Priority Hazard Lists | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| None found | | | No listings found on Additional Hazard Lists | |
| SUBSTANCE NOTES: Recycled post-industrial bio-based waste product. Weight % range is reported directly from supplier's HPD, https://hpdrepository.hpd-collaborative.org/repository/HPDThumbnails/7CCC777E07881E0D9213B78C9D9CBB61.jpg | | | | |

CORK SHEET BINDER

ID: 112898-48-3

| | | | | |
|--|----------------------------|---|-----------------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2024-10-18 12:29:52 | | |
| #: 0.0000 - 43.0000 | GreenScreen: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Filler |
| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS | | |
| None found | | No warnings found on HPD Priority Hazard Lists | | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION | | |
| None found | | No listings found on Additional Hazard Lists | | |
| SUBSTANCE NOTES: Composition: Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[isocyanatobenzene]. Weight % range is reported directly from supplier's HPD, https://hpdrepository.hpd-collaborative.org/repository/HPDThumbnails/7CCC777E07881E0D9213B78C9D9CBB61.jpg | | | | |

LINSEED OIL

ID: 8001-26-1

| | | | | |
|--|--------------------------|-----------------|---|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:53 | |
| #: 32.0000 - 36.0000 | GreenScreen: NoGS | RC: None | NANO: No | SUBSTANCE ROLE: Binder |
| HAZARD TYPE | LIST NAME AND SOURCE | | WARNINGS | |
| None found | | | No warnings found on HPD Priority Hazard Lists | |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | | NOTIFICATION | |
| None found | | | No listings found on Additional Hazard Lists | |
| SUBSTANCE NOTES: | | | | |

SHOULDER BOLTS

%: 0.4600

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold.

OTHER MATERIAL NOTES:

IRON, ELEMENTAL

ID: 7439-89-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-10-18 12:29:53

%: 97.9400

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

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:

NYLON WASHERS

%: 0.2700

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold.

OTHER MATERIAL NOTES:

PA66 POLYMER

ID: 32131-17-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-10-18 12:29:54

%: 99.0000 - 100.0000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Polymer species

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

HEX LOCKING NUTS

%: 0.1800

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold.

OTHER MATERIAL NOTES:

| | | | | |
|---|---------------------------------------|--|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:52 | |
| ?: 60.0000 - 89.0000 | GreenScreen: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Structure component |
| 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: Weight % range is reported directly from supplier's SDS and exceeds typical inventory weight percentages as a means to protect IP. | | | | |

MYLAR BACKING

?: 0.1100

| | | |
|---|--|-----------------------------------|
| PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Polymeric Material |
| RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold. | | |
| OTHER MATERIAL NOTES: | | |

| | | | | |
|--|---------------------------|--|---|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | | | HAZARD SCREENING DATE: 2024-10-18 12:29:53 | |
| ?: 99.0000 | GreenScreen: LT-P1 | 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: | | | | |

Section 3: Certifications and Compliance

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

| VOC EMISSIONS | SCS Indoor Advantage Gold - Classroom & Office scenario | |
|---------------------------------------|---|------------------------------|
| CERTIFYING PARTY: Third Party | ISSUE DATE: 2023-06-09 00:00:00 | CERTIFIER OR LAB: SCS Global |
| APPLICABLE FACILITIES: All facilities | EXPIRY DATE: | Services |
| CERTIFICATE URL: | | |
| CERTIFICATION AND COMPLIANCE NOTES: | | |

Section 4: Accessories

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

No accessories are required for this product.

Section 5: General Notes

HPD applicable to all available sizes

MANUFACTURER INFORMATION

MANUFACTURER: **Claridge Products**
ADDRESS: **480 Wrangler Drive**
Suite 200
Coppell, Texas 75019
COUNTRY: **USA**

WEBSITE: **<https://www.calyxbyclaridge.com/>**
CONTACT NAME: **Rick Gomory**
TITLE: **Marketing Content and Sustainability Manager**
PHONE: **800-364-2422**
EMAIL: **rgomory@claridgeproducts.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

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

GreenScreen (GS)

| | |
|---|--|
| BM-4 Benchmark 4 (prefer-safer chemical) | LT-P1 List Translator Possible 1 (Possible Benchmark-1) |
| BM-3 Benchmark 3 (use but still opportunity for improvement) | LT-1 List Translator 1 (Likely Benchmark-1) |
| BM-2 Benchmark 2 (use but search for safer substitutes) | LT-UNK List Translator Benchmark Unknown |
| BM-1 Benchmark 1 (avoid - chemical of high concern) | NoGS No GreenScreen. |
| BM-U 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, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

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

Other Terms:

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

Inventory Methods:

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

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

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

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

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

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

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

