

HPD UNIQUE IDENTIFIER: 23925

CLASSIFICATION: 08 11 00 Metal Doors and Frames

PRODUCT DESCRIPTION: Aluminum Door with Glass Insert Door size range: 32" x 48" to 36" x 96" Frame Profiles: AF001, AF008 Small Brackets

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Table with 4 columns: Inventory Reporting Format, Threshold level, Residuals/Impurities, and screening options. Includes radio buttons for 'Nested Materials Method', 'Basic Method', 'Material', 'Product', etc.

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®.

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

DOOR GLASS [SILICA, AMORPHOUS (PRIMARY CASRN IS 7631-86-9) BM-1 | CAN SODIUM OXIDE LT-UNK CALCIUM OXIDE (POST-CONSUMER) LT-1 | CAN TITANIUM DIOXIDE LT-1 | CAN | END ACRYLIC POLYMER NoGS FERRIC OXIDE BM-1 | CAN MAGNESIUM OXIDE LT-UNK | CAN ALUMINUM OXIDE BM-2 | RES] DOOR FRAME [UNS A96063 ALUMINUM ALLOY NoGS] DOOR CORNER BRACKETS [UNS G10100 CARBON OR STEEL ALLOY NoGS ZINC, ELEMENTAL LT-P1 | AQU | END | MUL | PHY CHROMIUM COBALT OXIDE LT-1 | SKI | RES | CAN | GEN] DOOR GASKET [POLYVINYL CHLORIDE (PVC) (PRIMARY CASRN IS 9002-86-2) LT-P1 | RES GLYCERYL MONOSTEARATE LT-UNK DIOCTYLTINBIS(2-ETHYLHEXYL MERCAPTOACETATE) LT-1 | REP | DEV | PBT | MUL | CAN OCTYLTIN TRIS(2-ETHYLHEXYL MERCAPTOACETATE) LT-UNK | PBT | CAN] DOOR CORNER SCREWS [UNS S30400 STAINLESS STEEL ALLOY NoGS]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD has Identified - "No" because the metal alloys don't have a registered ID.

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: n/a

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-02-24

PUBLISHED DATE: 2021-02-24

EXPIRY DATE: 2024-02-24

Section 2: Content in Descending Order of Quantity

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

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

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

DOOR GLASS

#: 87.2000 - 90.8000

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Glass

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered following the HPD guidelines of Emerging Best Practices for consideration of Residuals and Impurities and based on the AGC Beyond Glass SDS. No Residuals or Impurities are expected to be present at or above Content Inventory Threshold that return a GreenScreen score of BM-1, LT-1, LT-P1 or NoGS.

OTHER MATERIAL NOTES: Glass amount varies based on aluminum frame profile

SILICA, AMORPHOUS (PRIMARY CASRN IS 7631-86-9)

ID: 37241-25-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-02-24

#: 70.0000 - 80.0000

GS: BM-1

RC: PreC

NANO: No

SUBSTANCE ROLE: Glass component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CAN

GHS - Australia

H350i - May cause cancer by inhalation

CAN

GHS - Japan

Carcinogenicity - Category 1A [H350]

SUBSTANCE NOTES: Data from AGC Flat Glass North American Safety Data Sheet 7/3/2015. Recycled content from AGC LEED product brochure is an average of 30% pre-consumer internal and external cullet.

www.agc-yourglass.com/sites/default/files/agc_docs/brochureA4_LEED_EN_LR.pdf

SODIUM OXIDE

ID: 1313-59-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-02-24

#: 10.0000 - 15.0000

GS: LT-UNK

RC: PreC

NANO: No

SUBSTANCE ROLE: Glass component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Data from AGC Flat Glass North American Safety Data Sheet 7/3/2015. Recycled content from AGC LEED product brochure is an average of 30% pre-consumer internal and external cullet.

www.agc-yourglass.com/sites/default/files/agc_docs/brochureA4_LEED_EN_LR.pdf

CALCIUM OXIDE (POST-CONSUMER)

ID: 1305-78-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-02-24

#: 5.0000 - 10.0000

GS: LT-1

RC: PreC

NANO: No

SUBSTANCE ROLE: Glass component

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|-------------------------|-------------------------|
| CAN | EU - GHS (H-Statements) | H350 - May cause cancer |

SUBSTANCE NOTES: Data from AGC Flat Glass North American Safety Data Sheet 7/3/2015. Recycled content from AGC LEED product brochure is an average of 30% pre-consumer internal and external cullet.

www.agc-yourglass.com/sites/default/files/agc_docs/brochureA4_LEED_EN_LR.pdf

TITANIUM DIOXIDE

ID: 13463-67-7

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-02-24 | | |
|----------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------|----------|-------------------------|
| #: 0.0000 - 0.4300 | GS: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Pigment |
| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS | | |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer | | |
| 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 | | |

SUBSTANCE NOTES: Pigment for white base paint in back-painted glass versions of the aluminum doors. Other pigments for other colors are all below the 1000 ppm threshold.

ACRYLIC POLYMER

ID: 9065-11-6

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-02-24 | | |
|----------------------------------------------------------------|------------------------|------------------------------------------------|----------|----------------------------------|
| #: 0.0000 - 0.9500 | GS: NoGS | RC: None | NANO: No | SUBSTANCE ROLE: Surface modifier |
| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS | | |
| None found | | No warnings found on HPD Priority Hazard Lists | | |

SUBSTANCE NOTES: Main polymeric ingredient in all paint options in back-painted glass versions of the aluminum doors.

FERRIC OXIDE

ID: 1309-37-1

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2021-02-24 | | |
|----------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------|----------|---------------------------------|
| #: 0.0000 - 2.0000 | GS: BM-1 | RC: PreC | NANO: No | SUBSTANCE ROLE: Glass component |
| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS | | |
| CAN | MAK | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification | | |

SUBSTANCE NOTES: Data from AGC Flat Glass North American Safety Data Sheet 7/3/2015. Recycled content from AGC LEED product brochure is an average of 30% pre-consumer internal and external cullet.

www.agc-yourglass.com/sites/default/files/agc_docs/brochureA4_LEED_EN_LR.pdf

MAGNESIUM OXIDE

ID: 1309-48-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24**

#: **0.0000 - 5.0000** GS: **LT-UNK** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Glass component**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|----------------------------------------------------------------------------------|
| CAN | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |

SUBSTANCE NOTES: Data from AGC Flat Glass North American Safety Data Sheet 7/3/2015. Recycled content from AGC LEED product brochure is an average of 30% pre-consumer internal and external cullet.

www.agc-yourglass.com/sites/default/files/agc_docs/brochureA4_LEED_EN_LR.pdf

ALUMINUM OXIDE

ID: 1344-28-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24**

#: **0.0000 - 3.0000** GS: **BM-2** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Glass component**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|-------------------------------------|
| RES | AOEC - Asthmagens | Asthmagen (Rs) - sensitizer-induced |

SUBSTANCE NOTES: Data from AGC Flat Glass North American Safety Data Sheet 7/3/2015. Recycled content from AGC LEED product brochure is an average of 30% pre-consumer internal and external cullet.

www.agc-yourglass.com/sites/default/files/agc_docs/brochureA4_LEED_EN_LR.pdf

DOOR FRAME

#: **8.5000 - 11.6000**

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered following the HPD guidelines of Emerging Best Practices for consideration of Residuals and Impurities and based on a RioTintoAlcan Certificate of Analysis. No Residuals or Impurities are expected to be present at or above Content Inventory Threshold that return a GreenScreen score of BM-1, LT-1, LT-P1 or NoGS.

OTHER MATERIAL NOTES: Aluminum frame percentage depends on the frame profile.

UNS A96063 ALUMINUM ALLOYID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24**%: **100.0000 - 100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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

SUBSTANCE NOTES: Data from RioTintoAlcan Certificate of Analysis for Aluminum 6063 alloy dated 4/8/2020. No recycled content.

Composition is Al 98.87%, Mg = 0.49%, Si = 0.43%, Fe = 0.17%, Mn = 0.03%, Ti = 0.01%, Cu, Cr, Zn < 0.01%.

DOOR CORNER BRACKETS%: **0.4100 - 0.9300**MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Metal**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered following the HPD guidelines of Emerging Best Practices for consideration of Residuals and Impurities and based on the Ryerson Carbon and Alloy Steels SDS. No Residuals or Impurities are expected to be present at or above Content Inventory Threshold that return a GreenScreen score of BM-1, LT-1, LT-P1 or NoGS.

OTHER MATERIAL NOTES: 4 steel brackets fit into the mitered aluminum extrusion channels in each of the corners of the frame and are screwed in place to secure the frame.

Steel Brackets are Zinc and Chromium plated for corrosion resistance by the supplier.

UNS G10100 CARBON OR STEEL ALLOYID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24**%: **99.7000 - 99.9000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Hardware**

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

SUBSTANCE NOTES: Carbon steel alloy grade provided by steel supplier. The steel is coated with zinc and chromium cobalt conversion coatings for additional corrosion resistance.

NEED TO UPDATE STEEL ALLOY AND COATINGS FOR SMALL BRACKETS.

ZINC, ELEMENTALID: **7440-66-6**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24**%: **0.0500 - 0.1500** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Corrosion inhibitor**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---------------------------------------------|--------------------------------------------------------------------------------------|
| AQU | EU - GHS (H-Statements) | H400 - Very toxic to aquatic life |
| AQU | EU - GHS (H-Statements) | H410 - Very toxic to aquatic life with long lasting effects |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| PHY | EU - GHS (H-Statements) | H250 - Catches fire spontaneously if exposed to air |
| PHY | EU - GHS (H-Statements) | H260 - In contact with water releases flammable gases which may ignite spontaneously |

SUBSTANCE NOTES: Zinc plated corrosion coating for carbon steel brackets. 0.00025" thickness (6.35 microns) estimated by supplier. Variation across brackets estimated as 50% more and less thickness.

CHROMIUM COBALT OXIDE

ID: 37382-24-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24**
 %: **0.0500 - 0.1500** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Corrosion inhibitor**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|-------------------------------------------------------------------|
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization |
| RES | AOEC - Asthmagens | Asthmagen (G) - generally accepted |
| 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 |

SUBSTANCE NOTES: Chromium cobalt conversion coating on top of zinc corrosion layer for carbon steel brackets. 0.00025" thickness (6.35 microns) estimated by supplier. Variation across brackets estimated as 50% more and less thickness.

DOOR GASKET

%: 0.2600 - 0.3600

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered following the HPD guidelines of Emerging Best Practices for consideration of Residuals and Impurities and based on the Teknor Apex APEX RE 8114 UV NT CLR BLU RB3 PVC COMPOUND SDS. No Residuals or Impurities are expected to be present at or above Content Inventory Threshold that return a GreenScreen score of BM-1, LT-1, LT-P1 or NoGS.

OTHER MATERIAL NOTES: A PVC-based polymer gasket used to secure the glass in frame profiles AF001 and AF008.

POLYVINYL CHLORIDE (PVC) (PRIMARY CASRN IS 9002-86-2)

ID: 93050-82-9

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|-------------------------------------|
| RES | AOEC - Asthmagens | Asthmagen (Rs) - sensitizer-induced |

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24**
 %: **89.0000 - 98.0000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Sealant**

GLYCERYL MONOSTEARATE

ID: 31566-31-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24**%: **1.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Sealant**

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

SUBSTANCE NOTES: Data From Teknor Apex Safety Data Sheet for APEX RE 8114 UV NT CLR BLU RB3, Product Code 1058024

DIOCTYLtinBIS(2-ETHYLHEXYL MERCAPTOACETATE)

ID: 15571-58-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24**%: **1.0000 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Plasticizer**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| REP | EU - SVHC Authorisation List | Toxic to reproduction - Candidate list |
| DEV | MAK | Pregnancy Risk Group B |
| REP | EU - Annex VI CMRs | Reproductive Toxicity - Category 1B |
| PBT | EU - ESIS PBT | Under PBT evaluation |
| MUL | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant |
| CAN | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |
| DEV | EU - GHS (H-Statements) | H360D - May damage the unborn child |
| REP | EU - REACH Annex XVII CMRs | Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| DEV | GHS - Australia | H360D - May damage the unborn child |
| REP | GHS - Japan | Toxic to reproduction - Category 1B [H360] |
| REP | GHS - Japan | Toxic to reproduction - Category 1A [H360] |

SUBSTANCE NOTES: Data From Teknor Apex Safety Data Sheet for APEX RE 8114 UV NT CLR BLU RB3, Product Code 1058024

OCTYLtin TRIS(2-ETHYLHEXYL MERCAPTOACETATE)

ID: 27107-89-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24**%: **0.0000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Plasticizer**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|----------------------------------------------------------------------------------|
| PBT | EU - ESIS PBT | Under PBT evaluation |
| CAN | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |

SUBSTANCE NOTES: Data From Teknor Apex Safety Data Sheet for APEX RE 8114 UV NT CLR BLU RB3, Product Code 1058024

DOOR CORNER SCREWS

#: 0.0200 - 0.0500

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered following the HPD guidelines of Emerging Best Practices for consideration of Residuals and Impurities and based on the Walsin Lihwa Corporation 304J3-S SDS. No Residuals or Impurities are expected to be present at or above Content Inventory Threshold that return a GreenScreen score of BM-1, LT-1, LT-P1 or NoGS.

OTHER MATERIAL NOTES: 2 stainless steel screws connect aluminum frame extrusions together for each of the 4 corner brackets.

UNS S30400 STAINLESS STEEL ALLOY

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-24

#: 100.0000 - 100.0000 GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Hardware

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

SUBSTANCE NOTES: Data from WAL SIN LIHWA CORP. Safety Data Sheet (SDS) dated 2019/03/08
WALSIN LIHWA CORP. TRADE MARK 304J3-S
Product Name: Stainless Steel Wire Rod

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 | n/a | | |
| CERTIFYING PARTY: Self-declared | ISSUE DATE: 2021-02- | EXPIRY DATE: | CERTIFIER OR LAB: n/a |
| APPLICABLE FACILITIES: n/a | 19 | | |
| CERTIFICATE URL: | | | |
| CERTIFICATION AND COMPLIANCE NOTES: This product has not been tested for VOC emissions. | | | |

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

MANUFACTURER INFORMATION

MANUFACTURER: Element Designs
ADDRESS: Element Designs
 235 Crompton Street
 Charlotte NC 28273, United States
WEBSITE: www.element-designs.com

CONTACT NAME: Olivia Banks
TITLE: A&D Account Manager
PHONE: 704-332-3114
EMAIL: olivia@element-designs.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-1 List Translator 1 (Likely Benchmark-1) |
| BM-3 Benchmark 3 (use but still opportunity for improvement) | LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.) |
| BM-2 Benchmark 2 (use but search for safer substitutes) | NoGS No GreenScreen. |
| BM-1 Benchmark 1 (avoid - chemical of high concern) | |
| BM-U Benchmark Unspecified (due to insufficient data) | |
| LT-P1 List Translator Possible 1 (Possible Benchmark-1) | |

Recycled Types

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

Other Terms:

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

Inventory Methods:

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

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

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

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

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

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

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