Element Designs Large Aluminum Door with Glass AF003, AF011 by Element Designs

Health Product Declaration v2.2

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 23922
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: AF003, AF011 Large Brackets

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format
- (•) Nested Materials Method
- ( ) Basic Method

Threshold Disclosed Per
- (•) Material
- ( ) Product

Threshold level
- ( ) 100 ppm
- (•) 1,000 ppm
- ( ) Per GHS SDS
- ( ) Other

Residuals/Impurities

Residuals/Impurities Considered in 5 of 5 Materials

Explanation(s) provided for Residuals/Impurities?
- (•) Yes ( ) No

All Substances Above the Threshold Indicated Are:

Characterized ( ) Yes Ex/SC (•) Yes ( ) No

% weight and role provided for all substances.

Screened ( ) Yes Ex/SC (•) Yes ( ) No

All substances screened using Priority Hazard Lists with results disclosed.

Identified ( ) Yes Ex/SC ( ) Yes (•) No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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.

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

No pre-checks completed or disclosed

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

%: 72.6000 - 80.4000

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 7:06:04**

%: **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 7:06:04**

%: **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 7:06:04**

%: **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 7:06:05**

%: **0.0000 - 0.3800** 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: **9063-87-0**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24 7:06:06**

%: **0.0000 - 0.8400** 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 7:06:06**

%: **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 7:06:06**

%: **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 7:06:06**

%: **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

%: **18.3000 - 25.0000**

MATERIAL THRESHOLD: 100 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 ALLOY ID: **Not registered**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24 7:06:03**

%: **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 **%: 0.9100 - 2.0500**

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 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 ALLOY ID: **Not registered**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24 7:06:03**

%: **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.

ZINC, ELEMENTAL ID: **7440-66-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24 7:06:05**

%: **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 7:06:05**

%: **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

%: 0.3400 - 0.5400

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 the frame profile for AF003 and AF011.

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

ID: **93050-82-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24 7:06:04**

%: **89.0000 - 98.0000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Sealant**

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

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

GLYCERYL MONOSTEARATE

ID: 31566-31-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-24 7:06:04**

%: **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 7:06:05**

%: **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 7:06:07**

%: **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 7:06:03**

%: **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 WALSIN 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
APPLICABLE FACILITIES: n/a
CERTIFICATE URL:

ISSUE DATE: 2021-02-19

EXPIRY DATE:

CERTIFIER OR LAB: n/a

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

Section 6: References

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
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)
LT-1 List Translator 1 (Likely Benchmark-1)
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.)
NoGS No GreenScreen.

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.