

CLASSIFICATION: 08 52 13

PRODUCT DESCRIPTION: Custom colors, dramatic sizes, dynamic shapes, exotic woods and more. Every Andersen® E-Series window becomes a design opportunity, giving you the freedom to custom-create the home of your dreams.

Section 1: Summary

Basic Method / Product 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
 Per OSHA MSDS
 Other

Residuals/Impurities

- Considered
 Partially Considered
 Not Considered

Explanation(s) provided
for Residuals/Impurities?

- Yes No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

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

ANDERSEN® E-SERIES AUXILIARY WINDOW [SOLID / PLATE GLASS LT-UNK WOOD NoGS ALUMINUM NoGS STAINLESS STEEL NoGS PHENOL FORMALDEHYDE LT-P1 | RES SILICA, AMORPHOUS LT-P1 | CAN POLYDIMETHYLSILOXANES LT-P1 | PBT ALUMINUM OXIDE LT-P1 | RES SODIUM OXIDE LT-UNK CALCIUM CARBONATE BM-3 TRIMETHYLATED SILICA NoGS NYLON 6,6 LT-UNK ARGON LT-UNK POLY(OXYMETHYLENE) NoGS 1-PROPENE, 2-METHYL-, HOMOPOLYMER LT-UNK STEEL NoGS MAGNESIUM OXIDE LT-UNK | CAN POLYSILICONE-11 NoGS SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED BM-2 STEARIC ACID LT-P1 | END QUARTZ LT-1 | CAN CARBON BLACK LT-1 | CAN]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen
Benchmark or List translator Score ... LT-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This disclosure covers the auxiliary windows within the Andersen® E-Series product line. All weight percentages are based on the NFPA Standard size for this type of window (1.2 x 1.5 m). Disclosure is based on the aluminum nailing fin option rather than the standard polymer option with drip cap. Substances list covers all exterior colors as pigments in the paint fall below the reporting threshold and is based on the natural interior with no paint or stain. Most information based on supplier disclosures of information.

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
Sustainable forestry: FSC Certification - Chain of Custody (COC)

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: 2018-11-12

PUBLISHED DATE: 2018-11-12

EXPIRY DATE: 2021-11-12



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 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

ANDERSEN® E-SERIES AUXILIARY WINDOW

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Data collection in the supply chain included any residuals and impurities present above the reporting threshold.

OTHER PRODUCT NOTES: Certain chemicals are reported even if below the reporting threshold if that information was available.

SOLID / PLATE GLASS

ID: 65997-17-3

#: 60.2500 GS: LT-UNK RC: PreC NANO: No ROLE: Window glass

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Typical window configuration is two panes of solid float glass separated by a gaseous insulating layer. A high efficiency triple pane is available for some products that significantly increases the proportion of glass in the overall window by weight. Glass is 12% pre-consumer content per affidavit from the supplier.

WOOD

ID: Not registered

#: 24.7300 GS: NoGS RC: None NANO: No ROLE: Window frame

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Main structure of window is wood. Pine and fir species are used.

ALUMINUM

ID: 91728-14-2

#: 10.7600 GS: NoGS RC: UNK NANO: No ROLE: Window cladding

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Exterior cladding of the window is aluminum alloy.

STAINLESS STEEL

ID: 12597-68-1

%: **1.0600** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Various hardware components**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Various non-leadless stainless steel alloys used for hardware components.

PHENOL FORMALDEHYDE

ID: 9003-35-4

%: **0.7800** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **LVL binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagens (Rs) - sensitizer-induced

SUBSTANCE NOTES: Binder used in LVL construction. Low VOC emissions are verified by Andersen's SCS Indoor Advantage Gold certifications.

SILICA, AMORPHOUS

ID: 7631-86-9

%: **0.3600** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Polymer additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Silica is encapsulated in polymer substance rendering it low risk for exposure to customer.

POLYDIMETHYLSILOXANES

ID: 63148-62-9

%: **0.3300** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Polymer component**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

SUBSTANCE NOTES: The polydimethylsiloxanes in the product are part of a cured polymer substance and are likely to present limited exposure risk to user.

ALUMINUM OXIDE

ID: 1344-28-1

%: **0.2300** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Desiccant component**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Desiccant component. Internal part.

SODIUM OXIDE

ID: 1313-59-3

#: **0.2300** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Desiccant component**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: Desiccant component. Internal part.

CALCIUM CARBONATE

ID: 471-34-1

#: **0.1700** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Polymer additive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: Polymer additive.

TRIMETHYLATED SILICA

ID: 68988-56-7

#: **0.1600** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Polymer additive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: Polymer additive.

NYLON 6,6

ID: 32131-17-2

#: **0.1400** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Frame component**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: Polymer also contains additives below reporting threshold.

ARGON

ID: 7440-37-1

#: **0.1100** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Insulated Glass Unit gas fill**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Most insulated glass units are filled with argon gas blend, but there are exceptions to this based on customer preference or needs based on climate.

POLY(OXYMETHYLENE)

ID: 9002-81-7

#: 0.1000

GS: NoGS

RC: None

NANO: No

ROLE: Frame component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Polymer also contains other additives below the reporting threshold.

1-PROPENE, 2-METHYL-, HOMOPOLYMER

ID: 9003-27-4

#: 0.1000

GS: LT-UNK

RC: None

NANO: No

ROLE: Insulated Glass Unit component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Polymer component in the insulated glass unit.

STEEL

ID: 12597-69-2

#: 0.0600

GS: NoGS

RC: UNK

NANO: No

ROLE: Miscellaneous parts

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Various non-lead steel alloys.

MAGNESIUM OXIDE

ID: 1309-48-4

#: 0.0400

GS: LT-UNK

RC: None

NANO: No

ROLE: Desiccant component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Desiccant component.

POLYSILICONE-11

ID: 63394-02-5

%: **0.0400** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Polymer component**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Polymer component.**

SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED

ID: **70131-67-8**

%: **0.0200** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Polymer additive**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Polymer additive.**

STEARIC ACID

ID: **57-11-4**

%: **0.0200** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Polymer additive**

HAZARDS: AGENCY(IES) WITH WARNINGS:

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: **Polymer additive.**

QUARTZ

ID: **14808-60-7**

%: **0.0200** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Desiccant component**

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER IARC Group 1 - Agent is Carcinogenic to humans

CANCER US CDC - Occupational Carcinogens Occupational Carcinogen

CANCER CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route

CANCER IARC Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources

CANCER US NIH - Report on Carcinogens Known to be Human Carcinogen (respirable size - occupational setting)

CANCER MAK Carcinogen Group 1 - Substances that cause cancer in man

CANCER New Zealand - GHS 6.7A - Known or presumed human carcinogens

CANCER Japan - GHS Carcinogenicity - Category 1A

CANCER Australia - GHS H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Internal part, possibility of exposure to user is expected to be very limited.

CARBON BLACK

ID: 1333-86-4

#: **0.0100** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Polymer additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Polymer additive that is fully encapsulated in polymer matrix and, therefore, presents a minimal exposure risk to user.

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

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-01-01**

EXPIRY DATE: **2018-12-31**

CERTIFIER OR LAB: **SCS Global Services**

APPLICABLE FACILITIES: **All Andersen® Architectural, 100 Series, 200 Series, 400 Series, A-Series, E-Series, Renewal by Andersen®, and Weiland® windows.**

CERTIFICATE URL:

https://awwebcdnprcd.azureedge.net/-/media/aw/files/technical-docs/leed/andersencorporation_2018_scs-iaq-04785_s.pdf

CERTIFICATION AND COMPLIANCE NOTES:

SUSTAINABLE FORESTRY

FSC Certification - Chain of Custody (COC)

CERTIFYING PARTY: **Third Party**

ISSUE DATE:

EXPIRY DATE:

CERTIFIER OR LAB: **SCS**

APPLICABLE FACILITIES: **Dubuque, IA Andersen® E-Series facility.**

2016-09-15

2021-09-14

Global Services

CERTIFICATE URL: [https://www.andersenwindows.com/professionals/documents/environmental/#f:environmental=\[Forestry%20Stewardship%20Certification%20\(FSC\)\]](https://www.andersenwindows.com/professionals/documents/environmental/#f:environmental=[Forestry%20Stewardship%20Certification%20(FSC)])

CERTIFICATION AND COMPLIANCE NOTES: **Andersen® E-Series windows can be specified with FSC Mix Credit certification.**

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

Andersen® offers a complete portfolio of windows and patio doors in addition to E-Series products.



MANUFACTURER INFORMATION

MANUFACTURER: **Andersen Corporation**
ADDRESS: **100 4th Avenue North**
Bayport MN 55003, USA
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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

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.