

CLASSIFICATION: 07 44 56

PRODUCT DESCRIPTION: Cement Board

Section 1: Summary

Nested 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

Residuals/Impurities
Considered in 0 of 1 Materials

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

TRANSPARENT CEMENT BOARD [**PORTLAND CEMENT (PORTLAND CEMENT)** **LT-P1** | END | CAN **LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)** **LT-UNK** **POLYETHYLENE (POLYETHYLENE)** **LT-UNK** **POLY(VINYL ALCOHOL)** **LT-UNK** **CELLULOSE PULP (CELLULOSE PULP)** **NoGS** **ACRYLIC ACID** **LT-P1** | AQU | SKI | MUL **IRON OXIDE (IRON OXIDE)** **LT-UNK** | CAN **CHROMIUM (III) OXIDE (CHROMIUM (III) OXIDE)** **LT-P1** | SKI **C.I. PIGMENT BLUE 28 (C.I. PIGMENT BLUE 28)** **LT-1** | RES | CAN | GEN]

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

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

INVENTORY AND SCREENING NOTES:

100% of the intentional ingredients are included in the HPD.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*
No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-02-12

PUBLISHED DATE: 2018-06-12

EXPIRY DATE: 2021-02-12



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

TRANSPARENT CEMENT BOARD

#: 81.0000 - 100.0000

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities are not considered.

OTHER MATERIAL NOTES:

PORTLAND CEMENT (PORTLAND CEMENT)

ID: 65997-15-1

#: 66.0000 - 84.0000

GS: LT-P1

RC: UNK

NANO: No

ROLE: Aggregate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: None

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

ID: 1317-65-3

#: 8.0000 - 14.0000

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Aggregate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

POLYETHYLENE (POLYETHYLENE)

ID: 9002-88-4

#: 3.5000 - 3.5000

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Aggregate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

POLY(VINYL ALCOHOL)

ID: 9002-89-5

| | | | | |
|---------------------------|-------------------|----------------|-----------------|------------------------|
| %: 2.0000 - 2.0000 | GS: LT-UNK | RC: UNK | NANO: No | ROLE: Aggregate |
|---------------------------|-------------------|----------------|-----------------|------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

CELLULOSE PULP (CELLULOSE PULP)

ID: 65996-61-4

| | | | | |
|---------------------------|-----------------|----------------|-----------------|------------------------|
| %: 1.5000 - 6.0000 | GS: NoGS | RC: UNK | NANO: No | ROLE: Aggregate |
|---------------------------|-----------------|----------------|-----------------|------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

ACRYLIC ACID

ID: 79-10-7

| | | | | |
|---------------------------|------------------|-----------------|-----------------|---------------------|
| %: 0.1000 - 1.0000 | GS: LT-P1 | RC: None | NANO: No | ROLE: Binder |
|---------------------------|------------------|-----------------|-----------------|---------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Acrylic Binder

IRON OXIDE (IRON OXIDE)

ID: 1317-61-9

| | | | | |
|---------------------------|-------------------|----------------|-----------------|------------------------|
| %: 0.0000 - 8.0000 | GS: LT-UNK | RC: UNK | NANO: No | ROLE: Aggregate |
|---------------------------|-------------------|----------------|-----------------|------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: None

CHROMIUM (III) OXIDE (CHROMIUM (III) OXIDE)

ID: 1308-38-9

| | | | | |
|---------------------------|------------------|----------------|-----------------|------------------------|
| %: 0.0000 - 3.0000 | GS: LT-P1 | RC: UNK | NANO: No | ROLE: Aggregate |
|---------------------------|------------------|----------------|-----------------|------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: **None**

C.I. PIGMENT BLUE 28 (C.I. PIGMENT BLUE 28)

ID: **1345-16-0**

%: **0.0000 - 1.0000**

GS: **LT-1**

RC: **UNK**

NANO: **No**

ROLE: **Aggregate**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

GENE MUTATION

MAK

Germ Cell Mutagen 3a

SUBSTANCE NOTES: **None**

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.

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.

MISCELLANEOUS

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

STEEL OR ALUMINUM PROFILES (1) Black astro foam tape (2) Stainless steel rivets (or bonding system) (3) Weather barrier
PRESSURE TREATED WOOD PROFILES (1) Black EPDM rubber (2) Stainless screws (or bonding system) (3) Weather barrier

Section 5: General Notes



MANUFACTURER INFORMATION

MANUFACTURER: **American Fiber Cement Corporation**
ADDRESS: **6901 S. Pierce St., Ste. 180**
Littleton CO 80128, United States
WEBSITE: **http://www.americanfibercement.com**

CONTACT NAME: **Spencer Anderson**
TITLE: **Project Engineer**
PHONE: **8006888677**
EMAIL: **sanderson@afcccladding.com**

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.