

CLASSIFICATION: 09 8200

PRODUCT DESCRIPTION: Cardinal Acoustics wall and ceiling panels provide a superior sound absorption, custom finishes and a lifetime warrant against breakage. Our panels are a great option for schools, restaurants and much more. Panels can be mounted directly to a wall and ceiling or in a number of different mounting methods.

## 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

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](#)

[CARDINAL ACOUSTICS WALL & CEILING PANELS \[ POPLAR WOOD  
WOOL FIBER NoGS WATER BM-4 MAGNESIUM OXIDE LT-UNK | CAN  
MAGNESIUM SULFATE, ANHYDROUS LT-UNK SILICON DIOXIDE  
\(PRIMARY CASRN IS 7631-86-9\) LT-P1 | CAN ALUMINUM OXIDE BM-2 |  
RES \]](#)

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

Contents highest concern GreenScreen  
Benchmark or List translator Score ... LT-P1  
Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

Residuals/impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 1000ppm.

### 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: CDPH Standard Method V1.2 (Section 01350/CHPS) -  
Classroom & Office scenario  
VOC content: CDPH Standard Method V1.2 (Section 01350/CHPS) -  
Classroom & Office scenario

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-03-03

PUBLISHED DATE: 2019-03-03

EXPIRY DATE: 2022-03-03



## 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### CARDINAL ACOUSTICS WALL & CEILING PANELS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals/Impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 1000ppm.

OTHER PRODUCT NOTES: Residuals/Impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 1000ppm.

#### POPLAR WOOD WOOL FIBER

ID: Not Registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-03

#: 50.0000 - 60.0000

GS: NoGS

RC: None

NANO: No

ROLE: Wood Fiber Base

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: None

#### WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-03

#: 17.0000 - 27.0000

GS: BM-4

RC: None

NANO: No

ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: None

#### MAGNESIUM OXIDE

ID: 1309-48-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-03

#: 5.0000 - 15.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Binder

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

SUBSTANCE NOTES: Bound within the substrate. It is not in a hazardous form in the final product.

### MAGNESIUM SULFATE, ANHYDROUS

ID: 7487-88-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-03-03**

#: **2.5000 - 8.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	

SUBSTANCE NOTES: Ingredient in the board

### SILICON DIOXIDE (PRIMARY CASRN IS 7631-86-9)

ID: 145808-77-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-03-03**

#: **1.0000 - 11.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: None

### ALUMINUM OXIDE

ID: 1344-28-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-03-03**

#: **0.5000 - 2.5000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Binder**

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

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.*

### VOC EMISSIONS

**CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario**

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-12-21**

EXPIRY DATE: **2020-12-21**

CERTIFIER OR LAB: **Berkeley Analytical**

APPLICABLE FACILITIES: **all**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **For Ceiling Applications**

### VOC CONTENT

**CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario**

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-12-21**

EXPIRY DATE: **2020-12-21**

CERTIFIER OR LAB: **Berkeley Analytical**

APPLICABLE FACILITIES: **all**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **For Wall Applications**

## 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

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information, Cardinal Acoustics expresses no opinion and makes no representation as to the applicability, suitability, accuracy or completeness of the declaration form, or the standards, rules, classifications, warnings or criteria utilized or referenced therein. Information provided herein is qualified in the entirety by reference to the applicable product Safety Data Sheet which can be located at [www.cardinalacoustics.com](http://www.cardinalacoustics.com).



## MANUFACTURER INFORMATION

MANUFACTURER: **Cardinal Acoustics**

ADDRESS: **4622 Sawmill Rd.**

**Columbus Ohio 43220, USA**

WEBSITE: **www.cardinalacoustics.com**

CONTACT NAME: **Technical Support**

TITLE: **Technical Support**

PHONE: **614-721-3001**

EMAIL: **info@cardinalacoustics.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

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

**NF** Not found on Priority Hazard Lists

### 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 (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1

**LT-1** List Translator Likely Benchmark 1

**LT-UNK** List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

**NoGS** Unknown (no data on List Translator Lists)

### 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.*