

CLASSIFICATION: Sound Attenuation Batts

PRODUCT DESCRIPTION: Quiet-Tech sound attenuation batts used in interior partitions and various other sound mitigating applications

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 1 of 3 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

COTTON [**COTTON** NoGS **AMMONIUM SULFATE** LT-P1 | END] **CARPET** [**POLYESTER** NoGS **POLYPROPYLENE** LT-UNK **CALCITE (CA(CO3))** NoGS **STYRENE BUTADIENE RUBBER (SBR)** LT-UNK] **PET BINDER FIBER** [**POLYESTER FIBERS** NoGS]

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

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

INVENTORY AND SCREENING NOTES:

The majority of fibers in Quiet-Tech insulation originate from post-consumer recycled carpets and clothing. Trace amounts of legacy chemicals may be found as impurities, due to stain repellents and adhesives used in the past.

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 - Classroom & Office scenario
Recycled content: Double Green

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1 and Option 2

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2019-12-02

PUBLISHED DATE: 2019-12-04

EXPIRY DATE: 2022-12-02



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

COTTON

#: 45.00 - 50.00

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: The cotton is from recycled clothing. We do not expect there to be any impurities in this materials because of the fibers prior applications. Ammonium Sulfate chemical treatment does not contain any recycled content and therefor should not have any impurities

OTHER MATERIAL NOTES: These fibers are manufactured from post-consumer recycled cotton clothing. After being recycled these fibers receive a salt based fire resistance chemical treatment; ammonium sulfate. All substances in this material are below the reportable threshold.

COTTON

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-02

#: 86.00 - 90.00

GS: NoGS

RC: PostC

NANO: No

ROLE: Acoustic and thermal insulator

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Cotton is obtained from post-consumer recycled clothing. Cotton fibers are blended with other fibers to achieve high acoustic and thermal performances.

AMMONIUM SULFATE

ID: 7783-20-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-02

#: 10.00 - 14.00

GS: LT-P1

RC: None

NANO: No

ROLE: Fire resistant chemical

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Ammonium sulfate is blended into the cotton fibers to achieve the fire resistant properties of the insulation. Quiet-Tech's fire resistant performance achieved Class A rating for flame and smoke spread standards set for thermal insulation in accordance with ASTM E84

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Impurities may be present in the form of legacy chemicals found in older generations of carpet which used possibly hazardous chemical treatments in order to achieve more stain resistance and higher durability.

OTHER MATERIAL NOTES: These are post consumer carpet fibers, which have been collected from broadloom carpet. The recycled carpet fibers consist of nylon and polypropylene components. All substances in this material are below the reportable threshold.

POLYESTER

ID: 113669-95-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-02**

%: **50.00 - 60.00**

GS: **NoGS**

RC: **PostC**

NANO: **No**

ROLE: **Acoustic and thermal insulator**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: whole carpet ground up to remove CaCO3 and latex. Polyester is derived from post-consumer carpet materials

POLYPROPYLENE

ID: 9003-07-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-02**

%: **30.00 - 40.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Acoustic and thermal insulator**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Polypropylene is derived from post-consumer carpet materials. Fibers are blended with other materials for acoustic and thermal insulation performance

CALCITE (CA(CO3))

ID: 13397-26-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-02**

%: **Impurity/Residual**

GS: **NoGS**

RC: **PostC**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Calcite is present in the post-consumer carpets, which are recycled into the insulation

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-12-02**

%: **Impurity/Residual**

GS: **LT-UNK**

RC: **PostC**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This residual substance is used in carpeting products, which are recycled into the Quiet-Tech insulation

PET BINDER FIBER

%: 10.00 - 15.00

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Polyester (PET) binder fiber does not contain any recycled content, therefor it will not contain any residuals or impurities.

OTHER MATERIAL NOTES: All substances in this material are below the reportable threshold. Polyester (PET) binder fiber is used for airlaid manufacturing process. When heated this materials will melt in order to create the desired dimensional structure of the insulation batts

POLYESTER FIBERS

ID: 80595-68-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-02

%: 100.00 - 100.00

GS: NoGS

RC: None

NANO: No

ROLE: Binder Fiber

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Blended with FR-AS

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 - Classroom & Office scenario

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **SCS Global**

APPLICABLE FACILITIES: **School Classroom, private office, single-family residence**

04-05

04-04

Services

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

RECYCLED CONTENT

Double Green

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-**

EXPIRY DATE: **2021-**

CERTIFIER OR LAB: **Carpet**

APPLICABLE FACILITIES: **Source materials from post-consumer resources**

06-20

06-19

America Recovery Effort (CARE)

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Verification of material composition. Product is comprised of at least 10% post-consumer carpet material, in addition to at least 10% of another recycled materials**

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

The majority of Quiet-Tech insulation is made from post-consumer carpet and clothing. A fire resistant chemical treatment is used to help improve fire retardant components. When test Quiet-Tech achieved Class A rating for flame and smoke spread in accordance with ASTM E84. Since there are post-consumer materials used in this product, there is a potential for legacy chemicals to be present in the product



MANUFACTURER INFORMATION

MANUFACTURER: **CarpetCycle LLC**
 ADDRESS: **360 W 1st Avenue**
Roselle NJ 07203, United States
 WEBSITE: **www.carpetcycle.com**

CONTACT NAME: **Sean Ragiel**
 TITLE: **President**
 PHONE: **9737324858**
 EMAIL: **sean@carpetcycle.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.