

CLASSIFICATION: 07 21 16 Blanket Insulation

PRODUCT DESCRIPTION: EcoTouch® Insulation can be used in a wide range of exterior wall, floor, roofing and ceiling applications for residential and commercial installations. EcoTouch® Insulation is provided with a wide range of R-values and thicknesses with excellent thermal control. The R30C, and R38C for use in the USA and R28 and R31 as used in Canada, provide excellent thermal performance in limited space of cathedral ceilings. EcoTouch® Insulation enhances interior noise control by improving Sound Transmission Class (STC) of walls and floor/ceiling assemblies.

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

ECOTOUCH® PINK® FIBERGLAS™ INSULATION - FOIL FACED [FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT LT-UNK STARCH LT-UNK CELLULOSE, MICROCRYSTALLINE NoGS ASPHALT, OXIDIZED LT-1 | CAN ALUMINUM POWDER (PYROPHORIC) LT-P1 | RES | PHY | END VEGETABLE OIL NoGS SODIUM LIGNOSULFONATE LT-UNK (3-AMINOPROPYL)TRIETHOXYSILANE LT-UNK | SKI OILS, SUNFLOWER SEED NoGS UNDISCLOSED NoGS PETROLEUM RESINS LT-1 | CAN]

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:

Substances representing 100% of the product weight meet the 100 ppm Threshold and are Screened.

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: UL/GreenGuard Gold Certified
VOC emissions: UL/GreenGuard Certified
VOC emissions: UL-Formaldehyde Free Claim Validation
Other: ILFI Declare - LBC Compliant - Third Party Verified

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-08-26

PUBLISHED DATE: 2019-08-30

EXPIRY DATE: 2022-08-26



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

ECOTOUCH® PINK® FIBERGLAS™ INSULATION - FOIL FACED

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Partially

RESIDUALS AND IMPURITIES NOTES: To the best of our knowledge, all chemicals presented at ≥ 100 ppm on the final product have been considered and disclosed. However, minerals used in manufacturing of glass fiber, might contain trace level of impurities. The information is based on individual chemical SDSs and some cased information provided by the suppliers.

OTHER PRODUCT NOTES: A mixture of chemicals called binder is applied on the glass fiber to protect the glass surface and adhere the fibers together. Liquid form of the binder turns into solid form after chemicals react during the curing process. That means hazard warning on HPD might not be applicable as the physical state of a chemical changes during the curing process.

EcoTouch® PINK® Fiberglas™ Insulation - Foil Faced products share the same formulation, but they are offered in different thickness and contain different level of organic binder. Therefore, a range for each substance percentage is required to represent the entire EcoTouch® PINK® Fiberglas™ Insulation - Foil Faced product portfolio.

FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-08-26

#: 90.00 - 98.00

GS: LT-UNK

RC: Both

NANO: No

ROLE: Thermal/Acoustic Insulation

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Owens Corning instituted internal systems to assure continuous production of acceptable glasses based on state-of-the-art understanding of biosolubility. As a result of those steps, all the fiberglass and mineral wool insulations we sell, anywhere in the world, are continuously evaluated to assure that they are biosoluble, fulfilling the Note Q condition of the European Commission Directive 97/69/EC, and therefore do not present a health risk.

Cullet provides the recycle content for fiberglass products. This consists of post-consumer cullet (bottles; recycled windshields) as well as pre-consumer cullet (plate glass, other industrial sources). Our SCS recycled content is based on plant-wide averages for each certificate. Individual plants may use different levels and % of post-consumer/pre-consumer, based on supply chain limitations.

STARCH

ID: 9005-25-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-08-26

#: 3.00 - 6.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Resin

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The cured binder is the main component of the binder that holds fiberglass together and protects the glass surface.

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

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

HAZARD SCREENING DATE: **2019-08-26**

#: **1.00 - 7.00**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Strength+Body for Facer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Paper provides strength and body to the facing.

ASPHALT, OXIDIZED

ID: 64742-93-4

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

HAZARD SCREENING DATE: **2019-08-26**

#: **0.50 - 5.00**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Adhesive + Barrier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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CANCER

IARC

Group 2a - Agent is probably Carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

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: The asphalt is used as a glue to attach the facer to insulation, as well as acting as a barrier.

ALUMINUM POWDER (PYROPHORIC)

ID: 7429-90-5

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

HAZARD SCREENING DATE: **2019-08-26**

#: **0.50 - 2.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Barrier- Foil Facer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Aluminum provides the barrier properties.

Aluminum is one of the components of the facer, and it is analogue to the household aluminum foil that is non-hazardous. Therefore, it shall not considered to be associated with all hazardous warnings associated with aluminum metal.

VEGETABLE OIL

ID: 68918-91-2

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

HAZARD SCREENING DATE: **2019-08-26**

#: **0.10 - 1.00**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **De-dusting Agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The de-dusting agent that is used to reduce the dust.

SODIUM LIGNOSULFONATE

ID: 8061-51-6

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

HAZARD SCREENING DATE: **2019-08-26**

#: **0.01 - 0.50**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Emulsifier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The emulsifier is used to emulsify the vegetable oil in water.

(3-AMINOPROPYL)TRIETHOXYSILANE

ID: 919-30-2

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

HAZARD SCREENING DATE: **2019-08-26**

#: **0.01 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Coupling Agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: Coupling agent provides a chemical bond between inorganic fibreglas and organic binder.

OILS, SUNFLOWER SEED

ID: 8001-21-6

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

HAZARD SCREENING DATE: **2019-08-26**

#: **0.01 - 0.50**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **De-dusting Agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **The de-dusting agent that is used to reduce the dust.**

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-08-26**

#: **0.01 - 0.10**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Surfactant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **The Surfactant is used to reduce the surface tension of the binder, enabling a great improvement in binder wetting and in the distribution of the binder into the fiberglass matrix.**

The kind of surfactant used is Owens Corning proprietary information.

PETROLEUM RESINS

ID: 64742-16-1

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

HAZARD SCREENING DATE: **2019-08-26**

#: **0.01 - 0.10**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Minor component of the adhesive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

SUBSTANCE NOTES: **Petroleum resins are minor components of the adhesive.**

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

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2009-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **USA Facilities: Delmar, NY ; Fairburn, GA; Santa Clara, CA; Waxahachie, TX; Kansas City, KS; Newark, OH, USA. Canadian Facilities: Edmonton, Alberta; Toronto, Ontario.**

02-28

10-16

environment

CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5ad1e80355b0e82d946a04ab?page_type=Products%20Catalog

CERTIFICATION AND COMPLIANCE NOTES:

VOC EMISSIONS

UL/GreenGuard Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2009-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **USA Facilities: Delmar, NY ; Fairburn, GA; Santa Clara, CA; Waxahachie, TX; Kansas City, KS; Newark, OH, USA. Canadian Facilities: Edmonton, Alberta; Toronto, Ontario.**

02-28

10-16

Environment

CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5ad1e80355b0e82d946a04ab?page_type=Products%20Catalog

CERTIFICATION AND COMPLIANCE NOTES:

VOC EMISSIONS

UL-Formaldehyde Free Claim Validation

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2009-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **USA Facilities: Delmar, NY ; Fairburn, GA; Santa Clara, CA; Waxahachie, TX; Kansas City, KS; NEWARK, OH, USA. Canadian Facilities: Edmonton, Alberta; Toronto, Ontario.**

02-28

10-16

Environment

CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5ad1e80355b0e82d946a04ab?page_type=Products%20Catalog

CERTIFICATION AND COMPLIANCE NOTES:

OTHER

ILFI Declare - LBC Compliant - Third Party Verified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2016-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **International**

APPLICABLE FACILITIES: **USA Facilities: Delmar, NY ; Fairburn, GA; Santa Clara, CA; Waxahachie, TX; Kansas City, KS; Newark, OH. Canadian Facilities: Edmonton, Alberta; Toronto, Ontario.**

05-31

10-01

Living Future Institute (ILFI)

CERTIFICATE URL: <https://living-future.org/declare-products/unfaced-ecotouch-insulation/>

CERTIFICATION AND COMPLIANCE NOTES:

RECYCLED CONTENT

SCS Recycled Content Certification - Recycling Programs

CERTIFYING PARTY: **Third Party**
APPLICABLE FACILITIES: **USA Facilities: Delmar, NY ; Fairburn, GA; Santa Clara, CA; Waxahachie, TX; Kansas City, KS; Newark, OH, USA. Canadian Facilities: Edmonton, Alberta; Toronto, Ontario.**
CERTIFICATE URL:
https://www.scs-certified.com/products/cert_pdfs/Owens_2019_SCS-MC-02676_s.pdf

ISSUE DATE: **2009-02-28** EXPIRY DATE: **2020-03-30** CERTIFIER OR LAB: **SCS Global Services**

CERTIFICATION AND COMPLIANCE NOTES:

BIOBASED CONTENT

USDA BioPreferred Catalog

CERTIFYING PARTY: **Third Party**
APPLICABLE FACILITIES: **USA Facilities: Delmar, NY ; Fairburn, GA; Santa Clara, CA; Waxahachie, TX; Kansas City, KS; Newark, OH, USA. Canadian Facilities: Edmonton, Alberta; Toronto, Ontario.**
CERTIFICATE URL:

ISSUE DATE: **2009-02-28** EXPIRY DATE: CERTIFIER OR LAB: **USDA Preferred labs**

CERTIFICATION AND COMPLIANCE NOTES:

MULTI-ATTRIBUTE

Environmental Product Declaration (EPD) by UL - Product Specific

CERTIFYING PARTY: **Third Party**
APPLICABLE FACILITIES: **USA Facilities: Delmar, NY ; Fairburn, GA; Santa Clara, CA; Waxahachie, TX; Kansas City, KS; Newark, OH. Canadian Facilities: Edmonton, Alberta; Toronto, Ontario.**
CERTIFICATE URL:
<https://dcpd6wotaa0mb.cloudfront.net/mdms/dms/Sustainability/10023059/10023059-EcoTouch-Pink-Fiberglas-Batt-Roll-Insulation-Unfaced-and-Faced---EPD.pdf?v=1539083037000>

ISSUE DATE: **2018-09-19** EXPIRY DATE: **2023-09-19** CERTIFIER OR LAB: **UL Environment**

CERTIFICATION AND COMPLIANCE NOTES:

MULTI-ATTRIBUTE

Environmental Product Declaration (EPD) by UL - Optimization Summary

CERTIFYING PARTY: **Third Party**
APPLICABLE FACILITIES: **USA Facilities: Delmar, NY ; Fairburn, GA; Santa Clara, CA; Waxahachie, TX; Kansas City, KS; Newark, OH. Canadian Facilities: Edmonton, Alberta; Toronto, Ontario.**
CERTIFICATE URL:
<https://dcpd6wotaa0mb.cloudfront.net/mdms/dms/Sustainability/10023383/10023383-EPD---Optimization-Summary---EcoTouch.pdf?v=1550047180000>

ISSUE DATE: **2018-11-09** EXPIRY DATE: **2021-11-09** CERTIFIER OR LAB: **UL Environment**

CERTIFICATION AND COMPLIANCE NOTES:

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

Pharos Chemical and Materials Library (through HPD Builder) was used to screen all chemicals used in making the product.



MANUFACTURER INFORMATION

MANUFACTURER: **Owens Corning**
 ADDRESS: **One Owens Corning Parkway**
Toledo Ohio 43659, United States
 WEBSITE: **www.owenscorning.com**

CONTACT NAME: **Nassreen Olang, Ph.D.**
 TITLE: **Corporate Product Stewardship Leader**
 PHONE: **7403215446**
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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.