

CLASSIFICATION: 23 07 13 Duct Insulation

PRODUCT DESCRIPTION: Owens Corning® SoftR® Duct Wrap FRK is a blanket of glass fiber insulation factory-laminated to FRK vapor retarder facing. A 2" (50mm) stapling and taping flange is provided on one edge. This product is designed to meet existing performance standards such as NFPA 90A and 90B and other mechanical and energy codes.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

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?

Threshold Disclosed Per

- Material
- Product

Explanation(s) provided for Residuals/Impurities?
 Yes No

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](#)

[SOFTR® DUCT WRAP FRK](#) [[FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT](#) [LT-UNK](#) [UREA](#) [PHENOL FORMALDEHYDE \(CURED PUF RESIN\)](#) [LT-UNK](#) [GLASS FILAMENTS](#) [NoGS](#) [KRAFT PAPER](#) [NoGS](#) [ALUMINUM](#) [LT-P1](#) | [RES](#) | [END](#) | [PHY](#) [UNDISCLOSED](#) [NoGS](#) [UNDISCLOSED](#) [LT-UNK](#) [UNDISCLOSED](#) [BM-1](#) | [MAM](#) | [AQU](#) | [CAN](#) | [MUL](#) [UNDISCLOSED](#) [LT-P1](#) | [RES](#)]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... [BM-1](#)
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All the contents down to 1000ppm of our final product (QuietR® Duct Wrap) are disclosed in this HPD.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: GreenGuard - Indoor Air Quality Certified
VOC emissions: GreenGuard - Gold (previously Children & Schools)
Recycled content: SCS Recycled Content Certification - Recycling Programs
Other: Environmental Product Declaration (EPD) by UL - Industry Generic

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-06-13

PUBLISHED DATE: 2018-06-14

EXPIRY DATE: 2021-06-13



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

SOFTR® DUCT WRAP FRK

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: To the best of our knowledge, all chemicals presented at ≥ 1000 ppm on the final product have been considered and disclosed. However, minerals used in manufacturing of glass fiber, might contain trace level of impurities.

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.

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

ID: 65997-17-3

%: 70.0000 - 80.0000 GS: LT-UNK RC: Both NANO: No ROLE: Thermal/Acoustic insulation

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority 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.

UREA PHENOL FORMALDEHYDE (CURED PUF RESIN)

ID: 25104-55-6

%: 1.0000 - 5.0000 GS: LT-UNK RC: None NANO: No ROLE: Binder

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

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

GLASS FILAMENTS

ID: Not registered

%: 1.0000 - 10.0000 GS: NoGS RC: None NANO: No ROLE: Facer reinforcement

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: The continuous filament glass fiber used in this product has a diameter larger than 6 microns, fulfilling the Note R condition of the European Commission Directive 97/69/EC. These continuous filament glass cannot be inhaled into the lower lung and have never been associated with any chronic lung disease.

KRAFT PAPER

ID: Not registered

%: 1.0000 - 10.0000 GS: NoGS RC: None NANO: No ROLE: Facer

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Component of the vapor barrier facer to provide the durability and flexibility.

ALUMINUM

ID: 7429-90-5

#: 1.0000 - 10.0000 GS: LT-P1 RC: None NANO: No ROLE: Facer

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

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

SUBSTANCE NOTES: Aluminum foil 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.

UNDISCLOSED

#: 0.1000 - 1.0000 GS: NoGS RC: None NANO: No ROLE: Dedusting agent

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

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

UNDISCLOSED

#: 0.1000 - 1.0000 GS: LT-UNK RC: None NANO: No ROLE: Catalyst

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: The chemical that helps speed up the binder curing reaction that is incorporated into the binder.

UNDISCLOSED

#: 0.1000 - 0.5000 GS: BM-1 RC: None NANO: No ROLE: Facer additive

HAZARDS: AGENCY(IES) WITH WARNINGS:

MAMMALIAN EU - R-phrases R20 - Harmful by Inhalation (gas or vapor or dust/mist)

MAMMALIAN EU - R-phrases R22 - Harmful if Swallowed

ACUTE AQUATIC EU - R-phrases R51 - Toxic to Aquatic Organisms

CANCER IARC Group 2b - Possibly carcinogenic to humans

CANCER CA EPA - Prop 65 Carcinogen

CHRON AQUATIC EU - GHS (H-Statements) H411 - Toxic to aquatic life with long lasting effects

CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Japan - GHS	Carcinogenicity - Category 1B

SUBSTANCE NOTES: The fire retardant is added to the facer to meet the required fire codes. It is incorporated into the matrix and shall not be released under normal use conditions.

UNDISCLOSED

%: 0.1000 - 0.5000	GS: LT-P1	RC: None	NANO: No	ROLE: Facer adhesive emulsion
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only		

SUBSTANCE NOTES: Part of the facer adhesive chemistry. It is incorporated into the final product and shall not be released under normal use conditions.

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

GreenGuard - Indoor Air Quality Certified

CERTIFYING PARTY: Third Party	ISSUE DATE: 2004-03-12	EXPIRY DATE: 2012-03-12	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: Waxahachie, Texas			
CERTIFICATE URL: https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32666/680438/QuietR-Duct-Board?st=1&sl=60719108&crit=a2V5d29yZDpbT3dlbnMgQ29ybmluZ10%3d&ss=2&k=Owens Corning&t=Owens+Corning			
CERTIFICATION AND COMPLIANCE NOTES: GREENGUARD Certification 2742-410			

VOC EMISSIONS

GreenGuard - Gold (previously Children & Schools)

CERTIFYING PARTY: Third Party	ISSUE DATE: 2006-02-17	EXPIRY DATE: 2017-02-17	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: Waxahachie, Texas			
CERTIFICATE URL: https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32666/680438/QuietR-Duct-Board?st=1&sl=60719108&crit=a2V5d29yZDpbT3dlbnMgQ29ybmluZ10%3d&ss=2&k=Owens Corning&t=Owens+Corning			
CERTIFICATION AND COMPLIANCE NOTES: GREENGUARD Gold Certification 2742-420			

RECYCLED CONTENT

SCS Recycled Content Certification - Recycling Programs

CERTIFYING PARTY: Third Party	ISSUE DATE: 2018-04-01	EXPIRY DATE: 2019-03-31	CERTIFIER OR LAB: SCS Global
APPLICABLE FACILITIES: Waxahachie, Texas			
CERTIFICATE URL: https://dcpd6wotaa0mb.cloudfront.net/mdms/dms/Sustainability/10021333/10021333-SCS-Certificates-SCS-MC-02066-53-percent.pdf?v=1522400411000			
CERTIFICATION AND COMPLIANCE NOTES: Conforms to the SCS Recycled Content Standard V7-0 for an Average 53% with Minimum 22% Post- Consumer and Balance 31% Pre-Consumer Recycled Glass Content. Material quantification is based on a plant-wide weighted average.			

OTHER

Environmental Product Declaration (EPD) by UL - Industry Generic

CERTIFYING PARTY: Third Party	ISSUE DATE: 2015-11-17	EXPIRY DATE: 2020-11-16	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: Waxahachie, Texas			
CERTIFICATE URL: https://www.owenscorning.com/ocbuildingspec/pdf/112.1_Owens_Corning_SOFR_Duct_Wrap_20160112.pdf			
CERTIFICATION AND COMPLIANCE NOTES: Environmental Product Declaration			

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 health warning is automatically applied through the HPD 2.1 software. It does not apply to the specific situation

of the ingredients in our product (for example, the form of the ingredient is not considered via the software screening).

MANUFACTURER INFORMATION

MANUFACTURER: **Owens Corning**
ADDRESS: **1 Owens Corning Parkway**
Toledo Ohio 43659, USA
WEBSITE: **www.owenscorning.com**

CONTACT NAME: **Jiafan Wang, Ph.D.**
TITLE: **Environmental Toxicologist**
PHONE: **800-GET-TECH**
EMAIL: **Sustainability@owenscorning.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.