

HPD UNIQUE IDENTIFIER: 28999

CLASSIFICATION: 07 21 16 Blanket Insulation

PRODUCT DESCRIPTION: Thermafiber® Fire & Sound Guard® mineral wool insulation batts are designed to provide exceptional acoustic control and fire protection in interior walls as well as floors and ceilings in residential and light commercial construction applications. Fire & Sound Guard® is fire resistant to temperatures above 2,000°F allowing additional time to exit the structure in the event of a fire. Fire & Sound Guard® is available for wood and steel construction. Thermafiber® Fire & Sound Guard® products are offered with and without a facer with foil facer being the most common facer.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	
☒ Nested Materials Method	☐ 100 ppm	Considered in 1 of 1 Materials	<i>All Substances Above the Threshold Indicated Are:</i>
☐ Basic Method	☒ 1,000 ppm		Characterized ☐ Yes Ex/SC ☒ Yes ☐ No
Threshold Disclosed Per	☐ Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	<i>% weight and role provided for all substances.</i>
☐ Material	☐ Other	☒ Yes ☐ No	Screened ☐ Yes Ex/SC ☒ Yes ☐ No
☒ Product			<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
			Identified ☐ Yes Ex/SC ☒ Yes ☐ No
			<i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>

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

THERMAFIBER® FIRE & SOUND GUARD® MINERAL WOOL INSULATION - UNFACED [**MINERAL WOOL, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤ 18 % BY WEIGHT** **LT-UNK** **UREA PHENOL FORMALDEHYDE** **LT-UNK** **AMMONIUM SULFATE** **LT-P1** | **END PETROLATUM (PRIMARY CASRN IS 8009-03-8)** **LT-1** | CAN | MUL **RESIDUAL OILS, PETROLEUM, HYDROTREATED** **LT-1** | CAN | PBT | MUL]

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 that are above the 1000 ppm disclosure level are considered and disclosed.

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: VOC Emissions

Recycled content: ICC-ES VAR Environmental Report™

Multi-attribute: Environmental Product Declaration (EPD) by UL - Product Specific

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2022-06-23
☐ Yes	VERIFIER:	PUBLISHED DATE: 2022-06-30
☒ No	VERIFICATION #:	EXPIRY DATE: 2025-06-23

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

THERMAFIBER® FIRE & SOUND GUARD® MINERAL WOOL INSULATION - UNFACED %: 95.0000 - 100.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: To the best of our knowledge, all residual and impurities were considered for substances above the 1000 ppm disclosure limit.

OTHER MATERIAL NOTES: Thermafiber mineral wool products are predominantly composed of slag as the input material, along with smaller amounts of geologic materials like rocks and inorganics.

MINERAL WOOL, 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: 2022-06-23 14:08:45

%: 90.0000 - 98.0000 GS: LT-UNK RC: PreC NANO: No SUBSTANCE ROLE: Insulator

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.

Blast furnace slag provides the recycle content for Thermafiber products.

UREA PHENOL FORMALDEHYDE ID: 25104-55-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-23 14:08:45

%: 1.0000 - 3.5000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Binder

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

SUBSTANCE NOTES: The cured binder holds mineral wool together in the desired form (batts, rolls).

AMMONIUM SULFATE ID: 7783-20-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-23 14:08:46

%: 0.0100 - 0.1000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Catalyst

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: This substance speeds up the binder reaction during oven curing.

PETROLATUM (PRIMARY CASRN IS 8009-03-8)

ID: 8063-27-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-06-23 14:08:46			
%: 0.0000 - 0.2500		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Dedusting
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	EU - REACH Annex XVII CMRs		Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
CAN	EU - Annex VI CMRs		Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
MUL	ChemSec - SIN List		CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
MUL	German FEA - Substances Hazardous to Waters		Class 3 - Severe Hazard to Waters		
CAN	GHS - Australia		H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1		H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]		
SUBSTANCE NOTES: Hydrocarbon oils are used to reduce dust during product installation.					

RESIDUAL OILS, PETROLEUM, HYDROTREATED

ID: 64742-57-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-06-23 14:08:47			
%: 0.0000 - 0.5000		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Dedusting
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	EU - REACH Annex XVII CMRs		Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
CAN	EU - Annex VI CMRs		Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
PBT	EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans		
MUL	ChemSec - SIN List		CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
CAN	GHS - Australia		H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1		H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]		
SUBSTANCE NOTES: Hydrocarbon oils are used to reduce dust during product installation.					

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	VOC Emissions		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Wabash, IN, USA; Joplin, Mo, USA CERTIFICATE URL:	ISSUE DATE: 2014-06-01	EXPIRY DATE:	CERTIFIER OR LAB: NA
CERTIFICATION AND COMPLIANCE NOTES: Thermafiber products manufactured with urea-phenol-formaldehyde binder are not included in Owens Corning's products which have GREENGUARD or GREENGUARD Gold certification. However, Owens Corning has done testing at a third-party laboratory to understand product emissions for a number of these Thermafiber products.			
RECYCLED CONTENT	ICC-ES VAR Environmental Report™		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Wabash, IN, USA; Joplin, Mo, USA CERTIFICATE URL: https://icc-es.org/reportlisting/var-1025/	ISSUE DATE: 2018-10-01	EXPIRY DATE:	CERTIFIER OR LAB: ICC EVALUATION SERVICE, ICCES
CERTIFICATION AND COMPLIANCE NOTES: See VAR-1025 certificate from ICC-ES for recycle content certification of Thermafiber products.			
MULTI-ATTRIBUTE	Environmental Product Declaration (EPD) by UL - Product Specific		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Wabash, IN, and Joplin, MO, USA CERTIFICATE URL: https://spot.ul.com/	ISSUE DATE: 2021-10-01	EXPIRY DATE:	CERTIFIER OR LAB: UL Environment
CERTIFICATION AND COMPLIANCE NOTES: Note that this EPD includes plant-specific information per the California Buy Clean requirement. The phenol-urea-formaldehyde binder as well as the formaldehyde free binder options (when available) are also detailed.			

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

Thermafiber® Fire & Sound Guard® Mineral Wool Insulation is available in different sizes, therefore a range is used to represent the entire product line.

MANUFACTURER INFORMATION

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

CONTACT NAME: Stan Wolfersberger
TITLE: Sustainability Leader
PHONE: 800-GET-PINK
EMAIL: stan.wolfersberger@owenscorning.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	NoGS No GreenScreen.

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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.