

HPD UNIQUE IDENTIFIER: 21555

CLASSIFICATION: 07 00 00 Thermal and Moisture Protection

PRODUCT DESCRIPTION: Owens Corning FOAMULAR Extruded Polystyrene (XPS) Rigid Foam Insulation is a closed cell, moisture-resistant rigid foam board well suited to meet the needs for a wide variety of residential and commercial construction applications.

## 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
- 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**

**FOAMULAR® EXTRUDED POLYSTYRENE (XPS) RIGID FOAM INSULATION [ POLYSTYRENE LT-UNK | POLYSTYRENE LT-UNK | UNDISCLOSED LT-UNK | GLO UNDISCLOSED LT-UNK | GLO GRAPHITE LT-UNK | UNDISCLOSED LT-1 | PBT | END UNDISCLOSED LT-UNK ]**

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

Recycled content: SCS Recycled Content Certification - Recycling Programs

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

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-01-19

PUBLISHED DATE: 2020-09-01

EXPIRY DATE: 2022-01-19



## 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 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

### FOAMULAR® EXTRUDED POLYSTYRENE (XPS) RIGID FOAM INSULATION

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: To the best of our knowledge, all residual and impurities are considered.

OTHER PRODUCT NOTES: FOAMULAR Extruded Polystyrene (XPS) Rigid Foam Insulation is offered in variety of thickness and densities. The wide range of substance has been reported to represent all product thickness and densities.

#### POLYSTYRENE

ID: 9003-53-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-19

#: 65.0000 - 75.0000

GS: LT-UNK

RC: PreC

NANO: No

SUBSTANCE ROLE: Polymer species

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Resin used in making the Foamular Board.

#### POLYSTYRENE

ID: 9003-53-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-19

#: 20.0000 - 30.0000

GS: LT-UNK

RC: PreC

NANO: No

SUBSTANCE ROLE: Polymer species

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This portion of the resin is 100% pre -consumer recycled polystyrene.

#### UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-19

#: 2.0000 - 10.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Blowing agent

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

GLOBAL WARMING

US EPA - Global Warming Potentials

Global Warming Potential greater than 1,000

GLOBAL WARMING

IPCC - Global Warming Chemicals

Chemicals with Global Warming Potential

SUBSTANCE NOTES: Portion of blowing agent blend with Global Warming Potential <1,000

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-01-19**

%: **2.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Blowing agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
GLOBAL WARMING	US EPA - Global Warming Potentials	Global Warming Potential greater than 100
GLOBAL WARMING	IPCC - Global Warming Chemicals	Chemicals with Global Warming Potential

SUBSTANCE NOTES: **Portion of blowing agent blend with Global Warming Potential <100**

**GRAPHITE**

ID: **7782-42-5**

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

HAZARD SCREENING DATE: **2019-01-19**

%: **0.1000 - 2.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Nucleating agent**

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

SUBSTANCE NOTES: **An Additive to improve some of the product properties.**

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-01-19**

%: **0.1000 - 2.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Chemical for Priority Action
PBT	EHP - San Antonio Statement on BFRs & CFRs	Flame retardant substance class of concern for PB&T & long range transport

SUBSTANCE NOTES: **The flame retardant used in our Foamular XPS product is a polymeric halogenated flame retardant (Non-HBCD) and it is not on LBC v3.1 Red List chemicals.**

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-01-19**

%: **0.1000 - 4.0000** 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: **This resin is the carrier for an additive.**

## 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**

APPLICABLE FACILITIES: Tallmadge, OH, USA; Gresham, OR, USA; Rockford, IL, USA; Valleyfield, QC, CAN; Monterrey, MEX

CERTIFICATE URL:

[https://spot.ul.com/data/spot/api/v1/products/5ad1e81d55b0e82d946a094c/certificates/UL2818G\\_BMS](https://spot.ul.com/data/spot/api/v1/products/5ad1e81d55b0e82d946a094c/certificates/UL2818G_BMS)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2006-02-17		UL Environment

CERTIFICATION AND COMPLIANCE NOTES: The GREENGUARD Gold Certification standard includes health based criteria for additional chemicals and also requires lower total VOC emissions levels to ensure that products are acceptable for use in environments such as schools and healthcare facilities. GREENGUARD Gold certification standard meets the requirements for California Department of Public Health's CDPH Standard.

### VOC EMISSIONS

#### UL/GreenGuard Certified

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: Tallmadge, OH, USA; Gresham, OR, USA; Rockford, IL, USA; Valleyfield, QC, CAN; Monterrey, MEX

CERTIFICATE URL:

[https://spot.ul.com/data/spot/api/v1/products/5ad1e81d55b0e82d946a094c/certificates/UL2818\\_BMS](https://spot.ul.com/data/spot/api/v1/products/5ad1e81d55b0e82d946a094c/certificates/UL2818_BMS)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2003-06-16		UL Environment

CERTIFICATION AND COMPLIANCE NOTES:

### RECYCLED CONTENT

#### SCS Recycled Content Certification - Recycling Programs

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: Tallmadge, OH, USA; Gresham, OR, USA; Rockford, IL, USA; Valleyfield, QC, CAN; Monterrey, MEX

CERTIFICATE URL:

[https://www.scs-certified.com/products/cert\\_pdfs/OwensCorning\\_2018\\_SCS-MC-01132\\_s\\_v2.pdf](https://www.scs-certified.com/products/cert_pdfs/OwensCorning_2018_SCS-MC-01132_s_v2.pdf)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2018-04-01		SCS Global

CERTIFICATION AND COMPLIANCE NOTES: Registration # SCS-MC-01132

### MULTI-ATTRIBUTE

#### Environmental Product Declaration (EPD) by UL

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: Tallmadge, OH, USA; Gresham, OR, USA; Rockford, IL, USA; Valleyfield, QC, CAN; Monterrey, MEX

CERTIFICATE URL:

<https://spot.ul.com/data/spot/api/v1/certificationMarks/5ad1e1ac95c155157c13a39f>

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2019-01-01		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.



## Section 5: General Notes

Pharos Chemical and Materials Library (through HPD Builder) was used to screen all chemicals used in making the product. The HPD is undergoing Third -Party Verification. Please send an e-mail to [Nassreen.Olang@owenscorning.com](mailto:Nassreen.Olang@owenscorning.com) if you would like to receive a notification, once the HPD is third-party verified.



## 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**  
 EMAIL: **nassreen.olang@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

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

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> 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.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

### 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.*