

**CLASSIFICATION:** Thermal & Moisture Protection

**PRODUCT DESCRIPTION:** FOAMULAR® extruded polystyrene Insulating Sheathing (IS), is ideal for either wood or metal framing construction, and suits a variety of exterior finishes. These strong, lightweight, rigid foam panels with a film face provide the durability and damage resistance necessary to meet the rigorous demands of site built construction. In addition, Owens Corning's patented Hydrovac® process technology makes FOAMULAR® extruded polystyrene insulation highly resistant to moisture. This permits the product to retain its long term R-value, year after year—even after prolonged exposure to water leakage, humidity, condensation and freeze/thaw cycling.

## 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 2 of 2 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**

**FOAMULAR EXTRUDED POLYSTYRENE (XPS) RIGID FOAM INSULATION [ POLYSTYRENE LT-UNK POLYSTYRENE LT-UNK UNDISCLOSED LT-UNK | UNDISCLOSED LT-UNK | UNDISCLOSED LT-1 | PBT | END UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK ] FILM [ UNDISCLOSED LT-UNK 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: 2019-01-21

PUBLISHED DATE: 2019-05-15

EXPIRY DATE: 2022-01-21



## 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

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

%: 85.00 - 98.00

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 MATERIAL NOTES:

#### POLYSTYRENE

ID: 9003-53-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-21

%: 65.00 - 75.00

GS: LT-UNK

RC: PreC

NANO: No

ROLE: Resin

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: 2019-01-21

%: 20.00 - 30.00

GS: LT-UNK

RC: PreC

NANO: No

ROLE: Recycled Resin

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: 2019-01-21

%: 2.00 - 10.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Blowing Agent Blend

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: **2019-01-21**

%: **2.00 - 5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Blowing Agent Blend**

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**

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-01-21**

%: **0.10 - 2.00** GS: **LT-1** RC: **None** NANO: **No** 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: **2019-01-21**

%: **0.10 - 4.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Resin carrier for an additive**

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.**

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-01-21**

%: **0.10 - 2.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

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 Foam properties.**

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 MATERIAL NOTES:

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-01-21**

#: **65.00 - 75.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **A layer of the film**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The film on the product provides enhanced durability and damage resistance to the polystyrene foam sheet.

**UNDISCLOSED**

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

HAZARD SCREENING DATE: **2019-01-21**

#: **25.00 - 35.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **A layer of the film**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The film on the product provides enhanced durability and damage resistance to the polystyrene foam sheet.

## 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)

CERTIFICATION AND COMPLIANCE NOTES:

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

### 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)

CERTIFICATION AND COMPLIANCE NOTES:

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

### 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)

CERTIFICATION AND COMPLIANCE NOTES:

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

### 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>

CERTIFICATION AND COMPLIANCE NOTES:

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

## 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.



Used as sheathing over all exterior walls in wood or metal framing construction, FOAMULAR® Insulating Sheathing (IS) XPS Insulation creates an effective insulating envelope over the entire structure. 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**  
**Toldeo 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**

## 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

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<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>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> 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.*