

CLASSIFICATION: 07 21 13

PRODUCT DESCRIPTION: SOPRA-XPS is an extruded polystyrene thermal insulation board used in roofs, walls and foundations. It is composed of a closed-cell, rigid extruded polystyrene foam core.

Section 1: Summary

Nested Method / Material 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

Residuals/Impurities
Considered in 0 of 1 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.

Threshold Disclosed Per

- Material
- Product

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

POLYSTYRENE FOAM [POLYSTYRENE LT-UNK UNDISCLOSED LT-UNK |
UNDISCLOSED NoGS UNDISCLOSED BM-2 | CAN | PHY | END | REP | DEL
LIMESTONE, CALCIUM CARBONATE LT-UNK TALC BM-1 | CAN
UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | PBT UNDISCLOSED LT-P1
GLYCERIDES, C16-18 MONO- LT-UNK]

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:

SOPRA-XPS is available in seven (7) different levels of compressive strength (20, 25, 30, 35, 40, 60, and 100 psi) and in thicknesses from 25 to 102 mm (1 to 4 inches). Ranges were given to substance and ingredient percentages to cover all configurations. No substance other than those listed in this HPD have been added to the finished product during its manufacturing. Residuals could not be considered for all materials because information was not provided by all raw materials vendors.

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: CDPH Standard Method V1.2 (Section 01350/CHPS) -
Classroom & Office scenario
VOC emissions: UL/GreenGuard Gold Certified
Recycled content: Recycled Content

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2020-02-14

PUBLISHED DATE: 2020-02-17

EXPIRY DATE: 2023-02-14



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

POLYSTYRENE FOAM

%: 100.00 - 100.00

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals could not be considered for all materials because information was not provided by all raw materials vendors.

OTHER MATERIAL NOTES: SOPRA-XPS is entirely composed of polystyrene foam.

POLYSTYRENE

ID: 9003-53-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-14

%: 65.00 - 96.00

GS: LT-UNK

RC: Both

NANO: No

ROLE: Main polymer for foam

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Polystyrene is used as the main ingredient in SOPRA-XPS. It is the backbone of the foam. Post-consumer and pre-consumer content of polystyrene is 25% or greater.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-14

%: 2.00 - 5.00

GS: LT-UNK

RC: None

NANO: No

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: Blowing agent with a GWP greater than 1000.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-14

%: 0.50 - 5.00

GS: NoGS

RC: None

NANO: No

ROLE: Blowing agent

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

SUBSTANCE NOTES: Blowing agent with a GWP below 100.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2020-02-14**

#: **0.50 - 5.00** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Blowing agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1A [H360]
DEVELOPMENTAL	CA EPA - Prop 65	Developmental - specific to chemical form or exposure route

SUBSTANCE NOTES: Blowing agent with a GWP below 100.

LIMESTONE, CALCIUM CARBONATE

ID: **1317-65-3**

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

HAZARD SCREENING DATE: **2020-02-14**

#: **0.50 - 5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Carrier for colorant**

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

SUBSTANCE NOTES: Carrier additive for colorant used in the foam.

TALC

ID: **14807-96-6**

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

HAZARD SCREENING DATE: **2020-02-14**

#: **0.10 - 1.50** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Nucleation additive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Talc is used as an additive to control foam generation.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-14		
%: 0.10 - 0.50	GS: LT-UNK	RC: None	NANO: No	ROLE: Lubricant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: Additive used in lubrication of extrusion process.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-14		
%: 0.10 - 1.00	GS: LT-1	RC: None	NANO: No	ROLE: Fire retardant additive
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - 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: Non-HBCD additive to provide fire retardant performance to foam.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-14		
%: 0.06 - 0.08	GS: LT-P1	RC: None	NANO: No	ROLE: Colorant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: Main ingredient of coloring the polystyrene foam.

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

HAZARD SCREENING DATE: **2020-02-14**

#: **Impurity/Residual**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Potential impurity in foam ingredient.**

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

CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2019-01-31** EXPIRY DATE: CERTIFIER OR LAB: **UL Environment**
APPLICABLE FACILITIES: **Sherbrooke, QC, Canada**
CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **SOPRA-XPS meets all requirements of CDPH standard method V1.2.**

VOC EMISSIONS

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2019-04-29** EXPIRY DATE: **2020-04-29** CERTIFIER OR LAB: **UL Environment**
APPLICABLE FACILITIES: **Sherbrooke, QC, Canada**
CERTIFICATE URL: **<http://spot.ul.com>**

CERTIFICATION AND COMPLIANCE NOTES: **Certified to UL2818-2013.**

RECYCLED CONTENT

Recycled Content

CERTIFYING PARTY: **Self-declared** ISSUE DATE: **2019-07-01** EXPIRY DATE: CERTIFIER OR LAB: **Self-declared**
APPLICABLE FACILITIES: **Sherbrooke, QC, Canada**
CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Recycled content of SOPRA-XPS is 25% or greater.**

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.

SOPRASEAL STICK FLASHPRO

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

SOPRASEAL STICK FLASHPRO can be used to bridge joints of SOPRA-XPS if part of the air barrier assembly.

SOPRASEAL LM 200T

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

SOPRASEAL LM 200T can be used to adhere SOPRA-XPS on vertical surfaces.

Section 5: General Notes

Residuals could not be considered for all materials because information was not provided by all raw materials vendors.



MANUFACTURER INFORMATION

MANUFACTURER: **Soprema**
 ADDRESS: **1688 J-B Michaud St.**
Drummondville QC J2C 8E9, Canada
 WEBSITE: **www.soprema.ca**

CONTACT NAME: **Jean-François Côté**
 TITLE: **Director, Standards & Scientific Affairs**
 PHONE: **819 478 8166 x.3290**
 EMAIL: **jfcote@soprema.ca**

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.