

Section 1: Summary

CONTENT INVENTORY

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

- Residuals and impurities considered in 0 of 2 materials
- see Section 2: Material Notes
 - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	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.

Number of Greenscreen BM-4/BM3 contents..... 0
 Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1
 Nanomaterial..... No

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE

ASPHALT BOARD MIXTURE [LIMESTONE; CALCIUM CARBONATE **LT-UNK** ASPHALT, OXIDIZED **LT-1** | CAN] GLASS MAT [SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) **LT-UNK** | CAN]

INVENTORY AND SCREENING NOTES:

SOPRABOARD is available in thicknesses of 1/8-, 3/16-, and 1/4- inch. The respective percentages of asphaltic mixture and glass mat facer will vary with thickness, which explains why ranges were given. No substance other than those listed in this HPD have been added to the finished product during its manufacturing. Residuals or impurities could not be considered because information was not provided to the manufacturer by the raw materials vendors.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

Management: ISO-9001:2008
 Management: ISO-14001:2004
 Management: OHSAS 18001:2007
 Other: CAN/ULC-S107

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: May 15, 2017	EXPIRY DATE*: May 15, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: May 24, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

ASPHALT BOARD MIXTURE

%: 95.0000 - 98.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: The asphalt board formula is composed of two substances blended to a homogeneous mixture. The exact percentage depends on the thickness of the SOPRABOARD, which is available in 1/8-, 3/16-, and 1/4-inch. Residuals were not considered because information could not be disclosed to the manufacturer by the materials suppliers.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 58.0000 - 64.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Mineral stabilizer and hardener

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Exact percentage not disclosed to protect proprietary information.

ASPHALT, OXIDIZED

ID: 64742-93-4

%: 36.0000 - 42.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Board cohesion and compatibility with membranes

HAZARDS:

CANCER

IARC

AGENCY(IES) WITH WARNINGS:

Group 2a - Agent is probably Carcinogenic to humans

SUBSTANCE NOTES: Exact percentage not disclosed to protect proprietary information.

GLASS MAT

%: 2.0000 - 5.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: The exact percentage depends on the thickness of the SOPRABOARD, which is available in 1/8-, 3/16-, and 1/4-inch. Residuals were not considered because information could not be disclosed to the manufacturer by the materials suppliers.

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

ID: 65997-17-3

%: 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Surface material (top and bottom faces)

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

SUBSTANCE NOTES: Random orientation glass fibrous mat.



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.

MANAGEMENT

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: Soprema plants: Drummondville, Québec, Canada Chilliwack, British Columbia, Canada Wadsworth, Ohio, USA Gulfport, Mississippi, USA

CERTIFICATE URL: <http://soprema.ca/wp-content/uploads/2016/08/ISO-9001-2008.pdf>

CERTIFICATION AND COMPLIANCE NOTES:

ISO-9001:2008

ISSUE DATE:
2016-04-14

EXPIRY DATE:
2018-09-14

CERTIFIER OR
LAB: BSI

MANAGEMENT

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: Soprema plants: Drummondville, Québec, Canada Chilliwack, British Columbia, Canada Wadsworth, Ohio, USA

CERTIFICATE URL: <http://soprema.ca/wp-content/uploads/2016/08/ISO-14001-2004.pdf>

CERTIFICATION AND COMPLIANCE NOTES:

ISO-14001:2004

ISSUE DATE:
2016-04-14

EXPIRY DATE:
2018-09-14

CERTIFIER OR
LAB: BSI

MANAGEMENT

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: Soprema plants: Drummondville, Québec, Canada Chilliwack, British Columbia, Canada Wadsworth, Ohio, USA Gulfport, Mississippi, USA

CERTIFICATE URL: <http://soprema.ca/wp-content/uploads/2016/08/OHSAS-18001-2007.pdf>

CERTIFICATION AND COMPLIANCE NOTES:

OHSAS 18001:2007

ISSUE DATE:
2016-04-14

EXPIRY DATE:
2019-01-04

CERTIFIER OR
LAB: BSI

OTHER

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: Soprema plants: Drummondville, Québec, Canada and Chilliwack, British Columbia, Canada.

CERTIFICATE URL: <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/showpage.html?name=TGFU.R19921&ccnshorttitle=Roofing+Systems&objid=1083620758&cfgid=1073741824&version=1>

CERTIFICATION AND COMPLIANCE NOTES: This product is listed in a large number of fire-rated roofing assemblies. These listings are maintained through plants.

OTHER

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: Soprema plants: Drummondville, Québec, Canada and Chilliwack, British Columbia, Canada.

CERTIFICATE URL: <http://www.exp.com/exp.do?action=getFile&fileId=3126&lang=fr>

CERTIFICATION AND COMPLIANCE NOTES: This product has been tested in a large number of roofing assemblies. One example of certification report is report PUB-DRU304337.

CSA A123.21

ISSUE
DATE:
2014-08-
18

EXPIRY
DATE: 2017-
08-18

CERTIFIER OR
LAB: Exp

OTHER

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: Soprema plants: Drummondville, Québec, Canada and Chilliwack, British Columbia, Canada.

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: This product is present in a large number of roofing assemblies tested for resistance to wind uplift. FM Approvals Certificate Number 3010173. These listings are maintained through periodic audits from FM in the SOPREMA plants.

FM 4470

ISSUE
DATE: 2012-
01-01

EXPIRY
DATE: 0000-
00-00

CERTIFIER OR LAB:
FM Approvals (Factory
Mutual)



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

Residuals could not be considered as information was not provided to the manufacturer by raw materials suppliers.



MANUFACTURER INFORMATION

MANUFACTURER: Soprema

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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) BM-2 Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK Unknown (no data on List Translator Lists)

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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.