

CLASSIFICATION: 07 27 13

PRODUCT DESCRIPTION: SOPRAVAP'R is a self-adhesive, sheet-applied air and vapour barrier membrane used in low-slope roofing assemblies composed of SBS-modified bitumen and a tri-laminate woven polyethylene facer. Designed to be installed directly over the structural deck, it also enhances the resistance to dynamic wind uplift of the roofing assembly.

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 3 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

ROOFING SELF-ADHESIVE BITUMEN MIXTURE [ASPHALT LT-1 | CAN STYRENE BUTADIENE RUBBER (SBR) LT-UNK NAPHTHENIC OILS LT-P1]
WOVEN POLYETHYLENE FACER [POLYETHYLENE LT-UNK
UNDISCLOSED LT-1 | CAN UNDISCLOSED LT-P1 UNDISCLOSED LT-UNK |
PBT UNDISCLOSED NoGS UNDISCLOSED LT-UNK] SILICONE-COATED
RELEASE FILM [POLYETHYLENE LT-UNK POLYDIMETHYLSILOXANES
LT-P1 | PBT]

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:

No substance other than those listed in this HPD have been added to the finished product during its manufacturing. Residuals or impurities could not all be considered because information was not provided to the manufacturer by the raw materials vendors. The precise composition of the roofing self-adhesive bitumen mixture was not disclosed to protect proprietary information; ranges were given.

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 V1.1 (Section 01350/CHPS) - Zero VOC emissions
Management: ISO 9001:2015 Quality management systems
Management: ISO 14001:2015 Environmental management systems
Management: OHSAS-18001 Occupational Health and Safety Assessment Standard

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: 2018-12-10
PUBLISHED DATE: 2019-01-03
EXPIRY DATE: 2021-12-10



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

ROOFING SELF-ADHESIVE BITUMEN MIXTURE

#: 81.0000

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals were considered through information disclosed to the manufacturer by the materials suppliers.

OTHER MATERIAL NOTES: The self-adhesive bitumen is composed of different substances blended to a homogeneous mixture. Naphtenic oil is a component of this mixture. Different oils of different constitution are available. This explains why CAS #64742-52-5 can be present at 0% to 15%, CAS #64742-58-1 can be present at 0% to 12%, and CAS #64741-57-7 can be present at 0% to 12%. Hydrogen sulfide is a declared impurity of one of the sources of naphtenic oil.

ASPHALT

ID: 8052-42-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-10		
#: 60.0000 - 70.0000	GS: LT-1	RC: None	NANO: No	ROLE: Main waterproofing compound
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CANCER	IARC		Group 2B - Possibly carcinogenic to humans	
CANCER	CA EPA - Prop 65		Carcinogen	
CANCER	US CDC - Occupational Carcinogens		Occupational Carcinogen	
CANCER	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources	
CANCER	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	

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

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-10		
%: 15.0000 - 25.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Polymeric modifier for adhesion and heat resistance
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
No hazards found				

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

NAPHTHENIC OILS

ID: 67254-74-4

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

HAZARD SCREENING DATE: **2018-12-10**

?: **10.0000 - 20.0000**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Plasticizer for adhesion improvement**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

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

WOVEN POLYETHYLENE FACER

?: **15.7000**

MATERIAL THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: **Residuals were not considered because information could not be disclosed to the manufacturer by the materials suppliers.**

OTHER MATERIAL NOTES: **Polyethylene grid coated with polyethylene continuous film with colour printing.**

POLYETHYLENE

ID: 9002-88-4

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

HAZARD SCREENING DATE: **2018-12-10**

?: **90.0000 - 100.0000**

GS: **LT-UNK**

RC:
None

NANO:
No

ROLE: **Provide strength and resistance to UV exposure**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: **Mixture of HDPE to provide strength to the woven material and LDPE to ensure barrier continuity of the finished facer**

UNDISCLOSED

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

HAZARD SCREENING DATE: **2018-12-10**

?: **1.0000 - 2.0000**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Colorant for polyethylene**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: The identity of this ingredient cannot be revealed due to confidentiality agreement with raw material vendor. Its impact has been considered in this HPD.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-10		
%: 0.0000 - 5.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Antioxidant for polyethylene
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
No hazards found				

SUBSTANCE NOTES: The identity of this ingredient cannot be revealed due to confidentiality agreement with raw material vendor. Its impact has been considered in this HPD.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-10		
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Antioxidant for polyethylene
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
PBT	EU - ESIS PBT	Under PBT evaluation		

SUBSTANCE NOTES: The identity of this ingredient cannot be revealed due to confidentiality agreement with raw material vendor. Its impact has been considered in this HPD.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-10		
%: 0.0000 - 0.3000	GS: NoGS	RC: None	NANO: No	ROLE: UV Absorber for polyehtylene
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
No hazards found				

SUBSTANCE NOTES: The identity of this ingredient cannot be revealed due to confidentiality agreement with raw material vendor. Its impact has been considered in this HPD.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-10		
%: 0.0000 - 0.3000	GS: LT-UNK	RC: None	NANO: No	ROLE: UV Absorber for polyethylene
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
No hazards found				

SUBSTANCE NOTES: The identity of this ingredient cannot be revealed due to confidentiality agreement with raw material vendor. Its impact has been considered in this HPD.

SILICONE-COATED RELEASE FILM

%: 3.3000

MATERIAL THRESHOLD: 1000 ppm
RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals were not considered because information could not be disclosed to the manufacturer by the materials suppliers.

OTHER MATERIAL NOTES: Silicone-coated film that is removed prior to installation of the product.

POLYETHYLENE

ID: 9002-88-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-10		
%: 95.0000 - 99.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Base film for removable backing material
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
No hazards found				

SUBSTANCE NOTES: The exact nature of the polymer used in this film is a proprietary information from the raw material supplier. It was impossible to obtain disclosure of the nature of the film. Because it is named "polyolefin film" we chose to classify it as polyethylene in this HPD.

POLYDIMETHYLSILOXANES

ID: 63148-62-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-10		
%: 1.0000 - 5.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Release compound to allow installation of adhesive product
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
PBT	EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans	

SUBSTANCE NOTES: The exact nature of the silicone polymer used as a release agent in this film is a proprietary information from the raw material supplier. It was impossible to obtain disclosure of the nature of the silicone.

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 V1.1 (Section 01350/CHPS) - Zero VOC emissions

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2018-11-28

EXPIRY DATE:

CERTIFIER OR LAB: N/A

APPLICABLE FACILITIES: N/A

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: N/A - Not applicable - This product is an exterior product therefore is not to be tested for VOC emissions.

MANAGEMENT

ISO 9001:2015 Quality management systems

CERTIFYING PARTY: Third Party

ISSUE DATE: 2018-05-28

EXPIRY DATE: 2021-05-07

CERTIFIER OR LAB: SGS ICS

APPLICABLE FACILITIES: Facilities covered by this certification: St Julien du Sault, France; Strasbourg, France; Val de Reuil, France; Sorgues, France; Luynes, France; Ambert, France; Cestas, France; La Chapelle Saint Luc, France; Saint Rambert, France; Golbey, France; Drummondville, Québec, Canada; Chilliwack, British Columbia, Canada; Wadsworth, Ohio, USA; Richmond, Québec, Canada; Gulfport, Mississippi, USA; Beauport, Québec, Canada; Oberrosbach, Germany; Grobbendonk, Belgium; Andenne, Belgium; Ijlst, Netherlands; Chignolo d'Isola Bergamo, Italy; Frosinone, Italy; San Vito al Tagliamento, Italy; Verolanuova, Italy; Salgareda, Italy; Blonie, Poland; Spreitenbach, Switzerland; Cham, Switzerland.

CERTIFICATE URL: <https://www.soprema.ca/wp-content/uploads/2017/06/SOPREMA-certificat-iso-9001-v2.pdf>

CERTIFICATION AND COMPLIANCE NOTES: Certificate number FR18/81842815. Although all the plants cited above are covered by the certification, the only plant that manufactures the product covered by this HPD is the plant in Drummondville, Québec, Canada.

MANAGEMENT

ISO 14001:2015 Environmental management systems

CERTIFYING PARTY: Third Party

ISSUE DATE: 2018-05-28

EXPIRY DATE: 2021-05-07

CERTIFIER OR LAB: SGS ICS

APPLICABLE FACILITIES: Facilities covered by this certification: St Julien du Sault, France; Strasbourg, France; Val de Reuil, France; Sorgues, France; La Chapelle Saint Luc, France; Saint Rambert, France; Golbey, France; Drummondville, Québec, Canada; Chilliwack, British Columbia, Canada; Wadsworth, Ohio, USA; Richmond, Québec, Canada; Beauport,

Québec, Canada; Grobbendonk, Belgium;
Andenne, Belgium; IJlst, Netherlands; Chignolo
d'Isola Bergamo, Italy; Frosinone, Italy;
Salgareda, Italy; San Vito al Tagliamento, Italy;
Verolanuova, Italy; Blonie, Poland;
Spreitenbach, Switzerland; Cham, Switzerland.

CERTIFICATE URL: <https://www.soprema.ca/wp-content/uploads/2017/06/SOPREMA-certificat-iso-14001-v2.pdf>

CERTIFICATION AND COMPLIANCE NOTES: Certificate number FR18/81842816. Although all the plants cited above are covered by the certification, the only plant that manufactures the product covered by this HPD is the plant in Drummondville, Québec, Canada.

MANAGEMENT

OHSAS-18001 Occupational Health and Safety Assessment Standard

CERTIFYING PARTY: Third Party	ISSUE DATE: 2018-05-28	EXPIRY DATE: 2021-05-07	CERTIFIER OR LAB: SGS ICS
APPLICABLE FACILITIES: Facilities covered by this certification: St Julien du Sault, France; Strasbourg, France; La Chapelle Saint Luc, France; Saint Rambert, France; Drummondville, Québec, Canada; Chilliwack, British Columbia, Canada; Beauport, Québec, Canada; Wadsworth, Ohio, USA; Gulfport, Mississippi, USA; Andenne, Belgium; Chignolo d'Isola Bergamo, Italy; Frosinone, Italy; San Vito al Tagliamento, Italy; Verolanuova, Italy; Salgareda, Italy.			
CERTIFICATE URL: https://www.soprema.ca/wp-content/uploads/2017/06/SOPREMA-certificat-ohsas-18001-v2.pdf			
CERTIFICATION AND COMPLIANCE NOTES: Certificate number FR18/81842817. Although all the plants cited above are covered by the certification, the only plant that manufactures the product by this HPD is the plant in Drummondville, Québec, Canada.			

OTHER

CAN/ULC S126

CERTIFYING PARTY: Third Party	ISSUE DATE: 2016-02-29	EXPIRY DATE:	CERTIFIER OR LAB: Underwriters Laboratories of Canada (ULC)
APPLICABLE FACILITIES: Soprema plant in Drummondville, Québec.			
CERTIFICATE URL: http://productspec.ul.com/canada/document.php?id=TGKXC.C52			
CERTIFICATION AND COMPLIANCE NOTES: The succesful testing as per the requirements of CAN/ULC-S126 for SOPRAVAP'R confirms this product can be installed directly over steel deck without the use of a barrier board. Such roof assemblies meet the requirements of the National Building Code of Canada 2015.			

+ 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.

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The use of a primer is required before the installation of SOPRAVAP'R except if it is installed on a steel deck, in which case primer is not required. Acceptable primers include ELASTOCOL STICK (500 g/L VOC content), ELASTOCOL STICK ZERO (0 g/L VOC content including 240 g/L exempt VOC as per EPA), and ELASTOCOL STICK H2O (0 g/L VOC content).



Section 5: General Notes

Residuals could not be considered for 2 materials as information was not provided to the manufacturer by raw materials suppliers.



MANUFACTURER INFORMATION

MANUFACTURER: **Soprema**

ADDRESS: **1688 Jean-Berchmans-Michaud
Drummondville QC J2C 8E9, Canada**

WEBSITE: **www.soprema.ca**

CONTACT NAME: **Jean-François Côté**

TITLE: **Director, Standards and 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

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

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

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

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

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

NoGS 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 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.