SOPRALENE FLAM 250 FR GR by Soprema

Health Product Declaration v2.2

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 26474

CLASSIFICATION: 07 52 16.13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing

PRODUCT DESCRIPTION: SOPRALENE FLAM 250 FR GR is a fire-rated SBS modified-bitumen cap sheet roof membrane. It is reinforced with a

non-woven polyester mat and its surface is covered with mineral granules.



Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- C Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold Level

- C 100 ppm
- © 1,000 ppm O Per GHS SDS
- C Other

Residuals/Impurities

Considered in 3 of 5 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

SBS-MODIFIED BITUMEN MIXTURE [ASPHALT (ASPHALT) LT-1 | CAN LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE) LT-UNK STYRENE BUTADIENE RUBBER (SBR) (STYRENE BUTADIENE RUBBER (SBR)) LT-UNK NAPHTHALENE (NAPHTHALENE) LT-1 | CAN | AQU | END | PBT | MUL POLYCYCLIC AROMATIC HYDROCARBONS (POLYCYCLIC AROMATIC HYDROCARBONS) LT-1 | PBT | CAN LEAD (LEAD) BM-1 | END | PBT | REP | MUL | CAN | DEV | GEN VANADIUM (VANADIUM) LT-1 | MUL | CAN | GEN NICKEL (NICKEL) LT-1 | CAN | RES | MAM | MUL | SKI HYDROGEN SULFIDE (HYDROGEN SULFIDE) LT-P1 | AQU | END | MAM | MUL | PHY] STANDARD ROOFING GRANULES [FELDSPAR LT-UNK | RES QUARTZ LT-1 | CAN CERAMIC MATERIALS AND WARES, CHEMICALS LT-P1 | MUL TITANIUM DIOXIDE LT-1 | CAN | END *DISTILLATES* (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI) LT-1 | CAN | PBT | MUL] POLYESTER REINFORCING MAT [POLYESTER (POLYESTER) NoGS | FIRE RETARDANT ADDITIVE | UNDISCLOSED NoGS *QUARTZ* LT-1 | CAN] POLYPROPYLENE FILM [

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:

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 as information was not provided to the manufacturer by raw materials suppliers. The precise composition of the SBS-modified bitumen mixture was not disclosed to protect proprietary information; ranges were given.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

POLYPROPYLENE (POLYPROPYLENE) LT-UNK]

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

Other: FM 4470

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

C Yes No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-02-04 PUBLISHED DATE: 2021-11-04 EXPIRY DATE: 2024-02-04



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

SBS-MODIFIED BITUMEN MIXTURE

%: 68.0000 - 68.0000

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

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

OTHER MATERIAL NOTES: The modified bitumen is composed of different substances blended to a homogeneous mixture.

ASPHALT (ASPHALT)

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-05 4:52:58

%: 45.0000 - 55.0000

GS: LT-1

RC: None NANO: No SUBSTANCE ROLE: Water resistance

HAZARD TYPE AGENCY AND LIST TITLES **WARNINGS** CAN **US CDC - Occupational Carcinogens** Occupational Carcinogen CAN MAK Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification IARC CAN Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources CAN CA EPA - Prop 65 Carcinogen CAN **IARC** Group 2b - Possibly carcinogenic to humans

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

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-05 4:52:58

%: 35.0000 - 50.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Filler

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

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

STYRENE BUTADIENE RUBBER (SBR) (STYRENE BUTADIENE RUBBER (SBR))

ID: 9003-55-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-05 4:52:59

%: 5.0000 - 10.0000 GS: LT-UNK RC: None 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: Exact percentage not disclosed to protect proprietary information.

NAPHTHALENE (NAPHTHALENE)

ID: 91-20-3

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-02-05 4:53:00
%: Impurity/Residual	GS: LT-1	RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
AQU	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PBT	OSPAR - Priority PBTs & EDs & equivale concern	ent PBT - Chemical for Priority Action
END	ChemSec - SIN List	Endocrine Disruption
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
PBT	WA DoE - PBT	PBT
PBT	US EPA - Toxics Release Inventory PBT	s PBT
CAN	US EPA - IRIS Carcinogens	(1986) Group C - Possible human Carcinogen

SUBSTANCE NOTES: Naphthalene may be present as an impurity in asphalt.

POLYCYCLIC AROMATIC HYDROCARBONS (POLYCYCLIC AROMATIC HYDROCARBONS)

ID: 130498-29-2

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD S	CREENING D	ATE: 2021-02-05 4:53:00
%: Impurity/Residual	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
РВТ	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
РВТ	WA DoE - PBT	PBT
РВТ	US EPA - Toxics Release Inventory PBTs	РВТ

SUBSTANCE NOTES: Polycyclic aromatic hydrocarbons may be present as impurity in asphalt.

LEAD (LEAD)		ID: 7439-92-1
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-02-05 4:53:00
%: Impurity/Residual	GS: BM-1	RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
РВТ	OSPAR - Priority PBTs & EDs & equivale concern	nt PBT - Chemical for Priority Action
REP	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
REP	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
РВТ	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
DEV	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
CAN	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CAN	IARC	Group 2a - Agent is probably Carcinogenic to humans
DEV	CA EPA - Prop 65	Developmental toxicity
РВТ	US EPA - Priority PBTs (NWMP)	Priority PBT
РВТ	WA DoE - PBT	PBT
РВТ	US EPA - Toxics Release Inventory PBTs	PBT
DEV	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REP	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity

REP	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A
GEN	MAK	Germ Cell Mutagen 3a
REP	CA EPA - Prop 65	Reproductive Toxicity - Female
REP	CA EPA - Prop 65	Reproductive Toxicity - Male
DEV	EU - GHS (H-Statements)	H362 - May cause harm to breast-fed children
REP	GHS - New Zealand	6.8A - Known or presumed human reproductive or developmental toxicants
CAN	GHS - Korea	Carcinogenicity - Category 1 [H350 - May cause cancer]
REP	GHS - Korea	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
DEV	GHS - Australia	H360Df - May damage the unborn child. Suspected of damaging fertility
REP	GHS - Japan	Toxic to reproduction - Category 1A [H360]
SUBSTANCE NOTES: Lead may	be present as an impurity in asphalt.	

VANADIUM (VANADIUM)						ID: 7440 -	62-2
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZAI	RD S	CREENING D	ATE: 2021-02-0	5 4:53:00	
%: Impurity/Residual	GS: LT-1	RC: No	one	NANO: No	SUBSTANCE R	OLE: Impurity/Resi	dual
HAZARD TYPE	AGENCY AND LIST TITLES		WAF	RNINGS			
MUL	German FEA - Substances Hazardous Waters	to	Clas	s 3 - Severe	Hazard to Waters	S	
CAN	MAK		Card	•	p 2 - Considered	to be carcinogenic	for
GEN	MAK		Gerr	n Cell Mutag	en 2		
SUBSTANCE NOTES: Vanadium	n may be present as an impurity in asphalt.						

NICKEL (NICKEL)					ID: 7440-02-0
HAZARD SCREENING METHOD: Pharos Chemi	ical and Materials Library	HAZARD S	CREENING D	ATE: 2021-02-05 4:52:59	
%: Impurity/Residual	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Imp	ourity/Residual

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	CA EPA - Prop 65	Carcinogen
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
MAM	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
SUBSTANCE NOTES: Nick	kel may be present as an impurity in asphalt.	

HYDROGEN SULFIDE (HYDROGEN SULFIDE	HYDROGEN	SULFIDE ((HYDROGEN	SULFIDE)
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ID: 7783-06-4

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-02-05 4:52:59
%: Impurity/Residual	GS: LT-P1	RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MAM	EU - GHS (H-Statements)	H330 - Fatal if inhaled
MUL	German FEA - Substances Hazardous t Waters	o Class 2 - Hazard to Waters
MAM	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
PHY	EU - GHS (H-Statements)	H220 - Extremely flammable gas
SUBSTANCE NOTES: Hydrogen	sulfide may be present as an impurity in a	sphalt.

STANDARD ROOFING GRANULES %: 27.0000 - 30.0000

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Geologically Derived Material

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

OTHER MATERIAL NOTES: Mineral granules are used as top surfacing of SOPRALENE FLAM 250 GR and are responsible for UV protection of the modified bitumen compound.

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-05 4:52:58

%: 65.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Insulator

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

RES AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Granules are naturally occuring stones based of various minerals. They are crushed and sized appropriately.

QUARTZ					ID: 14808-60-7
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	y HAZARD SCREENING DATE: 2021-02-05 4:52:58		2021-02-05 4:52:58	
%: 25.0000	GS: LT-1	RC: N	lone	NANO: No	SUBSTANCE ROLE: Insulator
HAZARD TYPE	AGENCY AND LIST TITLES		WARN	INGS	
CAN	US CDC - Occupational Carcinogens		Occup	ational Carcinog	en
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure		o chemical form or exposure route	
CAN	US NIH - Report on Carcinogens			n to be Human Ca ational setting)	arcinogen (respirable size -
CAN	MAK		Carcin man	ogen Group 1 - S	Substances that cause cancer in
CAN	IARC		•	1 - Agent is card	cinogenic to humans - inhaled
CAN	IARC		Group	1 - Agent is Card	cinogenic to humans
CAN	GHS - Australia		H350i	- May cause can	cer by inhalation
CAN	GHS - New Zealand		6.7A -	Known or presu	med human carcinogens
CAN	GHS - Japan		Carcin	ogenicity - Cate	gory 1A [H350]

CERAMIC MATERIALS AND WAI	RES, CHEMICALS			ID: 66402-68-
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE:	2021-02-05 4:52:59
%: 2.0000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Insulator
HAZARD TYPE	AGENCY AND LIST TITLES	WARI	NINGS	
MUL	German FEA - Substances Hazardous Waters	to Class	3 - Severe Haza	rd to Waters
SUBSTANCE NOTES: Granules	are naturally occuring stones based of var	ious minerals.	They are crushed	d and sized appropriately.

SUBSTANCE NOTES: Granules are naturally occuring stones based of various minerals. They are crushed and sized appropriately.

TITANIUM DIOXIDE ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-05 4:52:59

%: 0.1000	GS: LT-1	RC: N	one	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARN	INGS	
CAN	EU - GHS (H-Statements)		H351 -	Suspected of c	causing cancer
CAN	US CDC - Occupational Carcinogens		Occup	ational Carcino	gen
CAN	CA EPA - Prop 65		Carcin	ogen - specific	to chemical form or exposure route
CAN	IARC			2B - Possibly c ccupational sou	arcinogenic to humans - inhaled irces
CAN	MAK			_	- Evidence of carcinogenic effects stablish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors		Potent	tial Endocrine D	isruptor
CAN	MAK			ogen Group 4 - k under MAK/B	Non-genotoxic carcinogen with AT levels

SUBSTANCE NOTES: Granules are naturally occuring stones which are coated with pigments to provide a distinct color.

DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI)

ID: 64742-52-5

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-02-05 4:53:01
%: Impurity/Residual	GS: LT-1	RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H350 - May cause cancer
CAN	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous Waters	to Class 3 - Severe Hazard to Waters
CAN	GHS - Australia	H350 - May cause cancer
CAN	GHS - Japan	Carcinogenicity - Category 1A [H350]

SUBSTANCE NOTES: Oil is used as a lubricant in the process.

POLYESTER REINFORCING MAT %: 4.5000 - 6.0000

MATERIAL THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Polymeric Material

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

OTHER MATERIAL NOTES: Polyester reinforcing mat is responsible for the product's mechanical properties.

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-05 4:52:57

%: 100.0000 GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Polyester fibres in a non-woven configuration.

FIRE RETARDANT ADDITIVE %: 1.0000 - 4.0000

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Geologically Derived Material

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

OTHER MATERIAL NOTES: The fire-retardant ingredient is added to provide a higher level of resistance to fire exposure to this modified-bitumen cap sheet.

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DA	ATE: 2021-02-05 4:52:58
%: 93.0000 - 99.0000	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Flame retardant
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS	
None found			No warni	ngs found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance identification not disclosed to protect proprietary information.

QUARTZ ID: 14808-60-7 HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-05 4:53:01 GS: LT-1 %: Impurity/Residual RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual **HAZARD TYPE** AGENCY AND LIST TITLES **WARNINGS US CDC - Occupational Carcinogens** Occupational Carcinogen CAN CAN CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route CAN **US NIH - Report on Carcinogens** Known to be Human Carcinogen (respirable size occupational setting) CAN MAK Carcinogen Group 1 - Substances that cause cancer in CAN **IARC** Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources CAN **IARC** Group 1 - Agent is Carcinogenic to humans CAN GHS - Australia H350i - May cause cancer by inhalation CAN GHS - New Zealand 6.7A - Known or presumed human carcinogens CAN GHS - Japan Carcinogenicity - Category 1A [H350]

SUBSTANCE NOTES: Quartz may be present as an impurity in the fire retardand additive.

POLYPROPYLENE FILM %: 0.1000 - 0.2000

MATERIAL THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Polymeric Material

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

OTHER MATERIAL NOTES: Polypropylene film is used as the bottom surfacing material.

POLYPROPYLENE (POLYPROPY	(LENE)			ID: 9003-07-
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD S	CREENING D	DATE: 2021-02-05 4:52:57
%: 100.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Anti-adhesive ager
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS	
None found			No wa	arnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: BOPP film.

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

EXPIRY DATE:

CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: N/A

ISSUE DATE: 2019-02-28

CERTIFIER OR LAB: N/A

CERTIFICATE URL:

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

MANAGEMENT

ISO 9001:2015 Quality management systems

05-07

CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Facilities covered by this ISSUE DATE: 2021-09-

EXPIRY DATE: 2024-

CERTIFIER OR LAB: SGS ICS

CERTIFIER OR LAB: SGS ICS

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/wpcontent/uploads/2021/10/SOPREMA-ISO-9001-EN-1.pdf

CERTIFICATION AND COMPLIANCE NOTES: Certificate number FR18/81842815. Although all the plants cited above are covered by the certification, the only plants that manufacture the product covered by this HPD are the plants in Wadsworth and Gulfport.

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ISSUE DATE: 2021-09-

MANAGEMENT

ISO 14001:2015 Environmental management systems

05-07

EXPIRY DATE: 2024-

CERTIFYING PARTY: Third Party

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/2021/10/SOPREMA-ISO-14001-EN-1.pdf

CERTIFICATION AND COMPLIANCE NOTES: Certificate number FR18/81842816. Although all the plants cited above are covered by the certification, the only plants that manufacture the product covered by this HPD are the plants in Wadsworth and Gulfport.

OTHER

FM 4470

01

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: Drummondville, Chilliwack,

ISSUE DATE: 2012-01- EXPIRY DATE:

CERTIFIER OR LAB: FM Approvals

(Factory Mutual)

Wadsworth and Gulfport.

CERTIFICATE URL: https://www.roofnav.com

CERTIFICATION AND COMPLIANCE NOTES: This product is present in a large number of roofing assemblies tested for resistance to wind uplift. An example is assembly # 241138-195816-0 found in ROOFNAV. These listings are maintained through periodic audits from FM in the SOPREMA

MANAGEMENT

ISO 45001:2018 Occupational health and safety management system

CERTIFYING PARTY: Third Party

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/2021/10/SOPREMA-ISO-45001-EN-1.pdf

ISSUE DATE: 2021-09- EXPIRY DATE: 2024- CERTIFIER OR LAB: SGS ICS

05-07

HPD URL: No HPD Available

CERTIFICATION AND COMPLIANCE NOTES: Certificate number FR18/81842817. Although all the plants cited above are covered by the certification, the only plants that manufacture the product covered by this HPD are the plants in Wadsworth and Gulfport.

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.

SBS-MODIFIED BITUMEN BASE SHEET

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

SOPRALENE FLAM 250 FR GR can be installed over any suitable SBS base sheet such as SOPRALENE FLAM 180.

SOPRALENE FLAM 180

HPD URL: http://hpdrepository.hpd-collaborative.org

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

SOPRALENE FLAM 180 is one of numerous possible base sheets over which SOPRALENE FLAM 250 FR GR can be installed.

Section 5: General Notes

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

MANUFACTURER INFORMATION

MANUFACTURER: Soprema

ADDRESS: 1688 Jean-Berchmans-Michaud Drummondville Quebec 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

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

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

LAN Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple

NEU Neurotoxicity

NF Not found on Priority Hazard Lists

OZO Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

REP Reproductive

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

UNK Unknown

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 (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)

LT-1 List Translator 1 (Likely Benchmark-1)

LT-UNK 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.) NoGS No GreenScreen.

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

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.