# COLPHENE BSW H by Soprema

# Health Product Declaration v2.3

created via: HPDC Online Builder

# HPD UNIQUE IDENTIFIER: 3791674934272

CLASSIFICATION: 07 13 52 Modified Bituminous Sheet Waterproofing

PRODUCT DESCRIPTION: COLPHENE BSW H is a thermofusible waterproofing membrane designed for blindside (pre-applied) waterproofing in horizontal applications.

# Section 1: Summary

# CONTENT INVENTORY

- Inventory Reporting FormatNested Materials Method
- C Basic Method

Threshold Disclosed Per

• Material

C Product

Threshold Level © 100 ppm © 1,000 ppm © Per GHS SDS © Other **Residuals/Impurities Evaluation** Completed in 4 of 6 Materials

Explanation(s) provided for Residuals/Impurities? • Yes • No

# **Nested Method / Material Threshold**

For all contents above the threshold, the r	nanufacturer has:
Characterized	⊙ Yes ⊖ No
Provided weight and role.	
Screened	• Yes O No
Provided screening results using HPDC-a	pproved
methods.	
Identified	⊙ Yes ⊖ No
Provided name and CAS RN or other ider	ntifier.

### 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.

**NESTED MATERIAL | MATERIAL OR SUBSTANCE |** *RESIDUAL OR IMPURITY* 

### GREENSCREEN SCORE | HAZARD TYPE

SBS-MODIFIED BITUMEN MIXTURE [ ASPHALT (ASPHALT) LT-1 CAN | MAM | GEN LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE) BM-3dg STYRENE BUTADIENE RUBBER (SBR) (STYRENE BUTADIENE RUBBER (SBR)) LT-UNK NAPHTHALENE (NAPHTHALENE) LT-1 | END | PBT | CAN | MUL | AQU | EYE | MAM POLYCYCLIC AROMATIC HYDROCARBONS (POLYCYCLIC AROMATIC HYDROCARBONS) LT-1 | PBT | CAN LEAD (LEAD) BM-1 | END | PBT | MUL | CAN | DEV | REP | GEN | AQU | MAM VANADIUM (VANADIUM) LT-1 | MUL | CAN | GEN NICKEL (NICKEL) LT-1 | CAN | RES | MUL | MAM | SKI | AQU HYDROGEN SULFIDE (HYDROGEN SULFIDE) LT-P1 | END | MUL | MAM | AQU | PHY | EYE ] MINERAL AGGREGATE SURFACING [ QUARTZ (QUARTZ) BM-1 | CAN | MAM | GEN FELDSPAR (FELDSPAR) LT-UNK | MAM ALUMINUM SILICATE, NATURAL (ALUMINUM SILICATE, NATURAL - FELDSPATH) LT-UNK SKI | EYE MICA (MICA) LT-UNK | MAM FERRIC OXIDE (FERRIC OXIDE) BM-1 | CAN | MAM SODIUM OXIDE (SODIUM OXIDE) BM-2 DIPOTASSIUM OXIDE (DIPOTASSIUM OXIDE) BM-2 CALCIUM OXIDE (CALCIUM OXIDE) BM-2 | SKI | MAM | EYE MAGNESIUM OXIDE (MAGNESIUM OXIDE) BM-3dg | CAN | MAM ] POLYESTER REINFORCING MAT [ POLYESTER (POLYESTER) NoGS ] SILICONE-COATED RELEASE FILM [ POLYETHYLENE (POLYETHYLENE) LT-UNK POLYDIMETHYLSILOXANES (POLYDIMETHYLSILOXANES) BM-2 PBT ] POLYPROPYLENE FILM [ POLYPROPYLENE (POLYPROPYLENE) LT-UNK COLORED SAND [QUARTZ (QUARTZ) BM-1 | CAN | MAM | GEN 2-(2-BUTOXYETHOXY)ETHANOL LT-P1 | END | EYE | MAM TRIETHOXY(ETHYL)SILANE LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 2

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-1, LT-P1 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 be considered because information was not provided to the manufacturer by the raw materials vendors. The precise composition of the 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 - N/A : ISO 9001:2015 Quality management systems

: ISO 14001:2015 Environmental management systems

: ISO 45001:2018 Occupational health and safety management system

# CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1. Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

C Yes⊙ No

PREPARER: Self-Prepared VERIFIER: VERIFICATION #: SCREENING DATE: 2024-03-12 PUBLISHED DATE: 2024-03-12 EXPIRY DATE: 2027-03-12 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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

### SBS-MODIFIED BITUMEN MIXTURE %: 85.0000 - 90.0000

MATERIAL THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: 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)**

ID: 8052-42-4

BSTANCE ROLE: Water resistance gen 3 - Evidence of carcinogenic effects lassification carcinogenic to humans - inhaled urces	
<ul> <li>Evidence of carcinogenic effects</li> <li>lassification</li> <li>carcinogenic to humans - inhaled</li> </ul>	
<ul> <li>Evidence of carcinogenic effects</li> <li>lassification</li> <li>carcinogenic to humans - inhaled</li> </ul>	
lassification carcinogenic to humans - inhaled	
-	
1003	
H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]	
H351 - Suspected of causing cancer [Carcinogenicity - Category 2]	
H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxici following repeated exposure - Category 1]	
causing genetic defects [Germ cell ory 2]	
ings found on Additional Hazard Lis	

# LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-03-12 5:41:39

ID: 1317-65-3

%: 35.0000 - 50.0000	GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No wai	rnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	o listings found on Additional Hazard Lists
SUBSTANCE NOTES: Exac	ct percentage not disclosed to protect pro	oprietary informa	ation.	
RUBBER (SBR))	3BER (SBR) (STYRENE BUTADIENE			
RUBBER (SBR))	BBER (SBR) (STYRENE BUTADIENE Pharos Chemical and Materials Librar	У	HAZARD	
RUBBER (SBR))		y RC: None	HAZARD NANO: <b>No</b>	
RUBBER (SBR)) HAZARD DATA SOURCE:	Pharos Chemical and Materials Librar	-		SCREENING DATE: 2024-03-12 5:41:39
RUBBER (SBR)) Hazard Data Source: I %: 5.0000 - 10.0000	Pharos Chemical and Materials Librar GreenScreen: LT-UNK	-	NANO: <b>No</b> Warnings	SCREENING DATE: 2024-03-12 5:41:39
RUBBER (SBR)) HAZARD DATA SOURCE: %: 5.0000 - 10.0000 HAZARD TYPE	Pharos Chemical and Materials Librar GreenScreen: LT-UNK	-	NANO: <b>No</b> Warnings	

# NAPHTHALENE (NAPHTHALENE)

HAZARD DATA SOU	RCE: Pharos Chemical and Materials Lil	orary	HAZAF	RD SCREENING DATE: 2024-03-12 5:41:42	
%: <b>0.0001</b>	GreenScreen: LT-1	GreenScreen: LT-1 RC: None		SUBSTANCE ROLE: Impurity/Residual	
HAZARD TYPE	LIST NAME AND SOURCE	E	WARNINGS		
END	TEDX - Potential Endocrine	TEDX - Potential Endocrine Disruptors		crine Disruptor	
PBT	OSPAR - Priority PBTs & E concern			PBT - Chemical for Priority Action	
END	ChemSec - SIN List	ChemSec - SIN List		Endocrine Disruption	
CAN	МАК	МАК		Carcinogen Group 1 - Substances that cause cancer in man	
MUL	ChemSec - SIN List	ChemSec - SIN List		CMR - Carcinogen, Mutagen &/or Reproductive Toxicant	
MUL	German FEA - Substances Waters	German FEA - Substances Hazardous to Waters		re Hazard to Waters	
CAN	CA EPA - Prop 65	CA EPA - Prop 65			
CAN	IARC		Group 2b - Pos	ssibly carcinogenic to humans	
CAN	МАК		Carcinogen Group 2 - Considered to be carcinogenic f		

ID: 91-20-3

CANUS NIH - Report on CarcinogeneResenably Anticipated to be Human CarcinogenPBTUS EFA - Priority PBTs (NVMP)Piotry PBTPBTUS EFA - Toxics Release Inventory PBTsPBTCANUS EFA - Toxics Release Inventory PBTs(1986) Group C - Possible human Carcinogenic UCANEU - GHS (H Statuments) Annex 6 Table 3.H00 - Vury toxic to aquatic file (Hazardous to the aquaticAGUEU - GHS (H Statuments) Annex 6 Table 3.H01 - Vury toxic to aquatic file (Hazardous to the aquaticAGUEU - GHS (H Statuments) Annex 6 Table 3.H10 - Vury toxic to aquatic file with long lassing effects (Category 2]AGUGHS - New ZealandEye Irritation category 2CANGHS - New ZealandCarcinogenicity category 2CANGHS - JapanH31 - Suspected ot aquaing cancer (Carcinogenicity category 2)CANGHS - JapanH312 - Causes damage to agas through prolonged or category 1MAMGHS - JapanH312 - Causes damage to agas through prolonged or category 1MAMGHS - JapanH312 - Causes damage to agas through prolonged or category 1AGUGHS - JapanH310 - Vury toxic to aquatic file Hazardous to the aquatic anvionment - acute category 1AGUGHS - JapanH310 - Vury toxic to aquatic file Hazardous to the aquaticAGUGHS - JapanH310 - Vury toxic to aquatic the WH long lasting effects (Lawardous to the aquatic anvionment - acute category 1AGUGHS - JapanH310 - Vury toxic to aquatic the WH long lasting effects (Lawardous to the aquatic anvionment - acute category 1AGUG			
PBT         WA DE - PBT         PBT           PBT         US EPA - Toxics Release Inventory PBTs         PBT           CAN         US EPA - IBIS Carcinogens         (1986) Group C - Possible human Carcinogen           CAN         EU - GHS (H-Statements) Annex 6 Table 3-1         H351 - Suspected of causing cancer [Carcinogenicity - Catagory 2]           AQU         EU - GHS (H-Statements) Annex 6 Table 3-1         H401 - Very toxic to aquatic life (H-statedous to the aquatic environment (acute) - Catagory 1]           AQU         EU - GHS (H-Statements) Annex 6 Table 3-1         H410 - Very toxic to aquatic life with long lasting affects (H-statedous to the aquatic environment (chronic)) - Catagory 1]           AQU         EU - GHS (H-Statements) Annex 6 Table 3-1         H410 - Very toxic to aquatic environment (chronic))           CAN         GHS - New Zealand         Eye irritation category 2           CAN         GHS - Japan         H372 - Causes damage to organs through prolonged or repeated exposure (Specific target organs)ystemic toxichy following repeated exposure - Category 11           MAM         GHS - Japan         H372 - Causes damage to organs (Specific target organs/systemic toxichy following single exposure - Category 11           MAM         GHS - Japan         H372 - Causes damage to organs (Specific target organs/systemic toxichy following single exposure - Category 11           AQU         GHS - Japan         H372 - Causes damage to organs (Specific target organs/systemic toxi	CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
PBT         US EPA - Toxics Release Inventory PBTs         PBT           CNN         US EPA - IRIS Carcinogens         (1996) Group C - Possible human Carcinogen           CAN         EU - GHS (H-Statements) Annex 6 Table 3-         H351 - Suspected of causing cancer (Carcinogenielly - Category 2]           ACU         EU - GHS (H-Statements) Annex 6 Table 3-         H400 - Very toxic to aquatic life (Hazardous to the aquatic environment (Caule) - Category 1]           ACU         EU - GHS (H-Statements) Annex 6 Table 3-         H410 - Very toxic to aquatic life (Mazardous to the aquatic environment (Caule) - Category 1]           ACU         GHS - New Zealand         Eye initiation category 2           CAN         GHS - Japan         H351 - Suspected of causing cancer (Carcinogenicity - Category 2)           MAM         GHS - Japan         H372 - Causes damage to organs through prolonged or repeated exposure - Category 1]           MAM         GHS - New Zealand         Specific target organ toxicity - repeated exposure category 1           MAM         GHS - New Zealand         H370 - Causes damage to organs [Specific target organs/systemic toxicity following repeated exposure - Category 1]           CAN         EU - Annex VI CMPa         Carcinogen Category 2 - Suspected human Carcinogen 4400 - Very toxic to aquatic life (Hazardous to the aquatic environment - acule category 1           AQU         GHS - Japan         H400 - Very toxic to aquatic life with long tasting effects (Hazardous to the	PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
CN         US EPA - IRIS Carcinogens         (1986) Group C - Possible human Carcinogen           CN         EU - GHS (H-Statements) Annex 6 Table 3- Catagory 2]         HSS 1 - Suspected of causing cancer [Carcinogenicity - Catagory 2]           AQU         EU - GHS (H-Statements) Annex 6 Table 3- H400 - Very toxic to aquatic life [Hazardous to the aquatic [Hazardous to the aquatic minoment (chronic) - Catagory 1]           AQU         EU - GHS (H-Statements) Annex 6 Table 3- H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic minoment (chronic) - Catagory 1           CAN         GHS - New Zealand         Eye irritation category 2           CAN         GHS - Japan         H351 - Suspected of causing cancer [Carcinogenicity - Catagory 2]           MAM         GHS - Japan         H372 - Causes damage to organs through prolonge or Catagory 2]           MAM         GHS - New Zealand         H370 - Causeor damage to organs [Specific target organs/systemic toxicity following repeated exposure - Catagory 1]           MAM         GHS - New Zealand         H370 - Causeor damage to organs [Specific target organs/systemic toxicity following single exposure - Catagory 1]           CAN         EU - Annox VI CMRs         Carcinogen Catagory 2 - Suspected human Carcinogen areas of the aquatic environment - acute category 1           AQU         GHS - Japan         H400 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Catagory 1]           AQU         <	PBT	WA DoE - PBT	PBT
CANEU - GHS (H-Statements) Annex 6 Table 3- Category 2]H351 - Suspected of causing cancer [Carcinogenicity - Category 2]AQUEU - GHS (H-Statements) Annex 6 Table 3- environment (acute) - Category 1]H400 - Very toxic to aquatic life (Hazardous to the aquatic environment (acute) - Category 1]AQUEU - GHS (H-Statements) Annex 6 Table 3- Category 1]H410 - Very toxic to aquatic life with long lasting effects (Hazardous to the aquatic environment (chronic) - Category 2]AQUGHS - New ZealandEye initiation category 2CANGHS - JapanH351 - Suspected of causing cancer [Carcinogenicity - Category 2]MAMGHS - JapanH372 - Causes damage to organs trough prolonged or category 1]MAMGHS - JapanH370 - Causes damage to organs (Specific target organs/ systemic toxicity tollowing repeated exposure - Category 1]MAMGHS - JapanH370 - Causes damage to organs (Specific target organs/ systemic toxicity tollowing single exposure - Category 1]MAMGHS - JapanH370 - Causes damage to organs (Specific target organs/systemic toxicity tollowing single exposure - Category 1]AQUGHS - JapanH400 - Very toxic to aquatic life (Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life (Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life (Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life (With org lasting effects (Hazardous to the aquatic environment (chronic) - Categor	PBT	US EPA - Toxics Release Inventory PBTs	PBT
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CAN       GHS - New Zealand       Carcinogenicity category 2         CAN       GHS - Japan       H351 - Suspected of causing cancer [Carcinogenicity - Category 2]         MAM       GHS - Japan       H372 - Category 2]         MAM       GHS - Japan       H372 - Category 2]         MAM       GHS - Japan       H372 - Category 2]         MAM       GHS - New Zealand       Specific target organ strough prolonged or repeated exposure - Category 1]         MAM       GHS - Japan       H370 - Causes damage to organs [Specific target organs/systemic toxicity 1         MAM       GHS - Japan       H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]         CAN       EU - Annex VI CMRs       Carcinogen Category 2 - Suspected human Carcinogen         AQU       GHS - Japan       H400 - Very toxic to aquatic life [Hazardous to the aquatic environment - acute category 1]         AQU       GHS - Japan       H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]         AQU       GHS - Japan       H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]         AQU       GHS - Japan       H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]         AQU       GHS - New Zeala	AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	[Hazardous to the aquatic environment (chronic) -
CANGHS - JapanH351 - Suspected of causing cancer [Carcinogenicity - Category 2]MAMGHS - JapanH372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]MAMGHS - New ZealandSpecific target organ toxicity - repeated exposure - Category 1]MAMGHS - JapanH370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]MAMGHS - JapanH370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]CANEU - Annex VI CMRsCarcinogen Category 2 - Suspected human CarcinogenAQUGHS - New ZealandHazardous to the aquatic environment - acute category 1AQUGHS - JapanH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHatardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHatardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHatardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHatardous to the aquatic environment (chronic) - Categ	EYE	GHS - New Zealand	Eye irritation category 2
Category 2]MAMGHS - JapanH372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]MAMGHS - New ZealandSpecific target organ toxicity - repeated exposure category 1MAMGHS - JapanH370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]CANEU - Annex VI CMRsCarcinogen Category 2 - Suspected human CarcinogenAQUGHS - New ZealandHazardous to the aquatic environment - acute category 1AQUGHS - JapanH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life with long lasting effects (Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life with long lasting effects (Category 1]AQUGHS - New ZealandHazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandH410 - Very toxic to aquatic life with long lasting effects (Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects (Hazardous to the aquatic environment (chronic) - Category 2]AQUGHS - MalaysiaH351 - Suspected of causing cancer [Carcinogenicity - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects (Hazardous to the aquatic environment (chronic) - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effe	CAN	GHS - New Zealand	Carcinogenicity category 2
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1MAMGHS - JapanH370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]CANEU - Annex VI CMRsCarcinogen Category 2 - Suspected human CarcinogenAQUGHS - New ZealandHazardous to the aquatic environment - acute category 1AQUGHS - JapanH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment - chronic category 1AQUGHS - New ZealandHazardous to the aquatic environment - chronic category 1AQUGHS - New ZealandHazardous to the aquatic environment - chronic category 1CANGHS - MalaysiaH310 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Category 1]AQUGHS - MalaysiaH	MAM	GHS - Japan	repeated exposure [Specific target organs/systemic toxicity
organs/systemic toxicity following single exposure - Category 1]CANEU - Annex VI CMRsCarcinogen Category 2 - Suspected human CarcinogenAQUGHS - New ZealandHazardous to the aquatic environment - acute category 1AQUGHS - JapanH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - AustraliaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHazardous to the aquatic environment - chronic category 1AQUGHS - MalaysiaH351 - Suspected of causing cancer [Carcinogenicity - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH400 - Very toxic to aquatic life with l	MAM	GHS - New Zealand	
AQUGHS - New ZealandHazardous to the aquatic environment - acute category 1AQUGHS - JapanH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - AustraliaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - AustraliaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHazardous to the aquatic environment - chronic category 1AQUGHS - MalaysiaH351 - Suspected of causing cancer [Carcinogenicity - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1] <t< td=""><td>МАМ</td><td>GHS - Japan</td><td>organs/systemic toxicity following single exposure -</td></t<>	МАМ	GHS - Japan	organs/systemic toxicity following single exposure -
AQUGHS - JapanH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - JapanH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - AustraliaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - AustraliaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHazardous to the aquatic environment - chronic category 1CANGHS - MalaysiaH351 - Suspected of causing cancer [Carcinogenicity - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - MalaysiaH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - MalaysiaH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - MalaysiaH400 - Very toxic to aquatic life [Hazardous to the aquatic environm	CAN	EU - Annex VI CMRs	Carcinogen Category 2 - Suspected human Carcinogen
AQUGHS - JapanH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - AustraliaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHazardous to the aquatic environment - chronic category 1AQUGHS - New ZealandHazardous to the aquatic environment - chronic category 1CANGHS - MalaysiaH351 - Suspected of causing cancer [Carcinogenicity - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]AQUGHS - MalaysiaH351 - Suspected of causing cancer [Carcino	AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
Image: Here is a standard or standard	AQU	GHS - Japan	
Image: AQUGHS - New ZealandHazardous to the aquatic environment (chronic) - Category 1]AQUGHS - New ZealandHazardous to the aquatic environment - chronic category 1CANGHS - MalaysiaH351 - Suspected of causing cancer [Carcinogenicity - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]CANGHS - AustraliaH351 - Suspected of causing cancer [Carcinogenicity -	AQU	GHS - Japan	[Hazardous to the aquatic environment (chronic) -
CANGHS - MalaysiaH351 - Suspected of causing cancer [Carcinogenicity - Category 2]AQUGHS - MalaysiaH410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (chronic) - Category 1]AQUGHS - MalaysiaH400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]CANGHS - AustraliaH351 - Suspected of causing cancer [Carcinogenicity -	AQU	GHS - Australia	[Hazardous to the aquatic environment (chronic) -
AQU       GHS - Malaysia       H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]         AQU       GHS - Malaysia       H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (chronic) - Category 1]         AQU       GHS - Malaysia       H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (chronic) - Category 1]         CAN       GHS - Australia       H351 - Suspected of causing cancer [Carcinogenicity -	AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
Image: AQU       GHS - Malaysia       H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]         CAN       GHS - Australia       H351 - Suspected of causing cancer [Carcinogenicity -	CAN	GHS - Malaysia	
CAN GHS - Australia H351 - Suspected of causing cancer [Carcinogenicity -	AQU	GHS - Malaysia	[Hazardous to the aquatic environment (chronic) -
	AQU	GHS - Malaysia	
	CAN	GHS - Australia	

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2023
		Red List substances to avoid in Living Building Challenge V4.0 projects
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Cosmetics & Personal Care Products
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List
		Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products

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

# POLYCYCLIC AROMATIC HYDROCARBONS (POLYCYCLIC AROMATIC HYDROCARBONS)

ID: 130498-29-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-03-12 5:41:41		
%: <b>0.0001</b> Gree	GreenScreen: LT-1 RC: None		NANO: No SUBSTANCE ROLE: Impurity/Residu		
HAZARD TYPE	LIST NAME AND SOURCE	Ē	WARNINGS		
PBT 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 Carcinog		ogens	Reasonably Anticipated to be Human Carcinogen		
PBT WA DoE - PBT			PBT		
PBT	US EPA - Toxics Release I	nventory PBTs	PBT		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	Ξ	NOTIFICATION	N	
RESTRICTED LIST	International Living Future	Institute (ILFI)		Challenge 4.0 - Red List of Materials & fective April 1, 2023	
			Red List substa V4.0 projects	ances to avoid in Living Building Challenge	

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

# LEAD (LEAD)

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

ID: 7439-92-1

COLPHENE BSW H

%: 0.0001	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual	
HAZARD TYPE	LIST NAME AND SOUR	LIST NAME AND SOURCE			
END	TEDX - Potential Endocri	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
PBT	OSPAR - Priority PBTs & concern	OSPAR - Priority PBTs & EDs & equivalent concern		I for Priority Action	
PBT	OR DEQ - Priority Persis	tent Pollutants	Priority Persistent Pollutant - Tier 1		
MUL	ChemSec - SIN List		CMR - Carcino	gen, Mutagen &/or Reproductive Toxicant	
CAN	CA EPA - Prop 65		Carcinogen		
CAN	IARC		Group 2b - Pos	sibly carcinogenic to humans	
CAN	МАК		Carcinogen Gro man	oup 2 - Considered to be carcinogenic for	
CAN	US NIH - Report on Carc	inogens	Reasonably An	ticipated to be Human Carcinogen	
DEV	G&L - Neurotoxic Chemic	cals	Developmental	Neurotoxicant	
CAN	US EPA - IRIS Carcinoge	ens	(1986) Group B	2 - Probable human Carcinogen	
CAN	IARC		Group 2a - Age	nt is probably Carcinogenic to humans	
DEV	CA EPA - Prop 65		Developmental	toxicity	
PBT	US EPA - Priority PBTs (	NWMP)	Priority PBT		
PBT	US EPA - Toxics Release	e Inventory PBTs	PBT		
DEV	US NIH - Reproductive & Monographs	Developmental	Clear Evidence Toxicity	of Adverse Effects - Developmental	
REP	US NIH - Reproductive & Monographs	Developmental	Clear Evidence of Adverse Effects - Reproductive To>		
REP	EU - Annex VI CMRs		Reproductive Toxicity - Category 1A		
GEN	МАК		Germ Cell Muta	agen 3a	
REP	CA EPA - Prop 65		Reproductive T	oxicity - Female	
REP	CA EPA - Prop 65		Reproductive T	oxicity - Male	
CAN	GHS - Korea		H350 - May cau	use cancer [Carcinogenicity - Category 1]	
REP	GHS - Korea		-	mage fertility or the unborn child oxicity - Category 1]	
REP	GHS - Japan		H360 - May dar reproduction - C	mage fertility or the unborn child [Toxic to Category 1A]	
DEV	GHS - Australia	GHS - Australia		lamage the unborn child. Suspected of ty [Reproductive toxicity - Category 1A or	
REP	EU - GHS (H-Statements	) Annex 6 Table 3-1	-	damage fertility. May damage the unborn tive toxicity - Category 1A or 1B]	
AQU	EU - GHS (H-Statements	) Annex 6 Table 3-1		ric to aquatic life [Hazardous to the aquatic cute) - Category 1]	
AQU	EU - GHS (H-Statements	) Annex 6 Table 3-1		tic to aquatic life with long lasting effects he aquatic environment (chronic) -	

DEV	EU - GHS (H-Statements) Annex 6 Table 3-1	H362 - May cause harm to breast-fed children [Reproductive toxicity, effects on or via lactation]
REP	GHS - New Zealand	Reproductive toxicity category 1
CAN	GHS - New Zealand	Carcinogenicity category 2
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
МАМ	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Australia	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
AQU	GHS - Korea	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Korea	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
GEN	GHS - New Zealand	Germ cell mutagenicity category 2
MAM	GHS - New Zealand	Acute oral toxicity category 3
REP	GHS - New Zealand	Effects on or via lactation
CAN	GHS - Australia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
REP	EU - SVHC List	Toxic to reproduction - Candidate list
REP	EU - SVHC List	Toxic to reproduction - Prioritized for listing
REP	EU - REACH Annex XVII CMRs	Reproductive toxicants: Category 1A

ADDITIONAL LISTING	S LIST NAME A	AND SOURCE		NOTIFICATION	N
RESTRICTED LIST	ESTRICTED LIST Perkins+Will (P+W)		P&W - Precaut	ionary List	
				Precautionary I avoidance	list of substances recommended for
RESTRICTED LIST	Cradle to Cra (C2CPII)	dle Products Innova	ation Institute		v4 Product Standard Restricted Substances ective July 1, 2022
				Core Restrictio	ns
RESTRICTED LIST	Cradle to Cra (C2CPII)	dle Products Innova	ation Institute		v4 Product Standard Restricted Substances rective July 1, 2022
				Biological and	Environmentally Released Materials
RESTRICTED LIST	Cradle to Cra (C2CPII)	dle Products Innova	ation Institute		74 Product Standard Restricted Substances fective July 1, 2022
				Children's Proc	ducts
RESTRICTED LIST	Cradle to Cra (C2CPII)	dle Products Innova	ation Institute		74 Product Standard Restricted Substances fective July 1, 2022
				Formulated Co	nsumer Products
RESTRICTED LIST	Cradle to Cra (C2CPII)	dle Products Innova	ation Institute		/4 Product Standard Restricted Substances fective July 1, 2022
				Footwear, Appa	arel & Jewelry Products
RESTRICTED LIST	International	Living Future Institut	te (ILFI)		Challenge 4.0 - Red List of Materials & fective April 1, 2023
				Red List substa V4.0 projects	ances to avoid in Living Building Challenge
RESTRICTED LIST	Green Scienc	e Policy Institute (G	iSPI)	GSPI - Six Clas	sses Precautionary List
				Certain Metals	
SUBSTANCE NOTES:	Lead may be present as ar	n impurity in asphalt			
I					
VANADIUM (VANADIUM	Л)				ID: 7440-62-2
HAZARD DATA SOURC	E: Pharos Chemical and	Materials Library		HAZAF	RD SCREENING DATE: 2024-03-12 5:41:41
%: 0.0001	GreenScreen: LT-1		RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	LIST NAME A	AND SOURCE		WARNINGS	
MUL	German FEA Waters	- Substances Haza	rdous to	Class 3 - Seve	re Hazard to Waters

Carcinogen Group 2 - Considered to be carcinogenic for
man

CAN

GEN

MAK

MAK

ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	Ν
None found				No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Vanadiu	Im may be present as an impurity i	n asphalt.		
NICKEL (NICKEL)				ID: <b>7440-02-0</b>
HAZARD DATA SOURCE: Pha	ros Chemical and Materials Libr	ary	HAZAF	RD SCREENING DATE: 2024-03-12 5:41:40
%: <b>0.0001</b> Green	Screen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	МАК	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
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RES	МАК	Sensitizing Substance Sah - Danger of airway & skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
CAN	GHS - New Zealand	Carcinogenicity category 2
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
МАМ	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
CAN	EU - Annex VI CMRs	Carcinogen Category 2 - Suspected human Carcinogen
SKI	GHS - New Zealand	Skin sensitisation category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
CAN	GHS - Australia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
		Biological and Environmentally Released Materials		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
		Children's Products		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
		Footwear, Apparel & Jewelry Products		
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List		
		Certain Metals		
SUBSTANCE NOTES: Nickel	may be present as an impurity in asphalt.			

# HYDROGEN SULFIDE (HYDROGEN SULFIDE)

HAZARD DATA SOU	RCE: Pharos Chemical and Materials Lib	orary	HAZAF	D SCREENING DATE: 2024-03-12 5:41:40
%: 0.0001	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine	Disruptors	Potential Endo	crine Disruptor
MUL	German FEA - Substances Waters	Hazardous to	Class 3 - Severe Hazard to Waters	
MAM	US EPA - EPCRA Extremel Substances	y Hazardous	Extremely Haza	ardous Substances
AQU	EU - GHS (H-Statements) A	Annex 6 Table 3-1	-	xic to aquatic life [Hazardous to the aquatic cute) - Category 1]
MAM	EU - GHS (H-Statements) A	Annex 6 Table 3-1	H330 - Fatal if Category 1 or 2	inhaled [Acute toxicity (inhalation) - 2]
РНҮ	EU - GHS (H-Statements) A	Annex 6 Table 3-1	H220 - Extreme Category 1]	ely flammable gas [Flammable gases -
EYE	GHS - New Zealand		Eye irritation ca	ategory 2
MAM	GHS - New Zealand		Specific target	organ toxicity - repeated exposure category
MAM	GHS - Japan			a damage to organs [Specific target ic toxicity following single exposure -
MAM	GHS - New Zealand		Acute inhalatio	n toxicity category 2
AQU	GHS - New Zealand		Hazardous to the	he aquatic environment - acute category 1
AQU	GHS - Japan		-	xic to aquatic life [Hazardous to the aquatic cute) - Category 1]

ID: 7783-06-4

AQU	GHS - Japan		oxic to aquatic life with long lasting effects the aquatic environment (chronic) -	
AQU	GHS - New Zealand	Hazardous to	the aquatic environment - chronic category 1	
AQU	GHS - Korea		oxic to aquatic life [Hazardous to the aquatic acute) - Category 1]	
EYE	GHS - Korea		s serious eye irritation [Serious eye ion - Category 2]	
МАМ	Québec CSST - WHMIS 1988	Class D1A - V serious toxic e	ery toxic material causing immediate and effects	
МАМ	GHS - Korea	H330 - Fatal if Category 2]	f inhaled [Acute toxicity (inhalation) -	
РНҮ	GHS - Korea	H220 - Extrem Category 1]	nely flammable gas [Flammable gases -	
РНҮ	Québec CSST - WHMIS 1988	Class B1 - Fla	mmable gases	
МАМ	GHS - Japan	H330 - Fatal if Category 2]	f inhaled [Acute toxicity (inhalation: gas) -	
РНҮ	GHS - Japan	H220 - Extrem Category 1]	nely flammable gas [Flammable gases -	
МАМ	GHS - Australia	H330 - Fatal if Category 1 or	f inhaled [Acute toxicity (inhalation) - 2]	
EYE	GHS - Japan	H319 - Cause eye irritation -	s serious eye irritation [Serious eye damage / Category 2A]	
AQU	GHS - Malaysia		oxic to aquatic life [Hazardous to the aquatic acute) - Category 1]	
AQU	GHS - Australia		oxic to aquatic life [Hazardous to the aquatic acute) - Category 1]	
РНҮ	GHS - New Zealand	Flammable ga	as category 1A	
РНҮ	GHS - Malaysia	H220 - Extrem Category 1]	nely flammable gas [Flammable gases -	
МАМ	GHS - Malaysia	H330 - Fatal if Category 1 or	f inhaled [Acute toxicity (inhalation) - 2]	
РНҮ	GHS - Australia	H220 - Extrem Category 1]	nely flammable gas [Flammable gases -	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATIC	N	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Hydrogen sulfide may be present as an impurity in asphalt.				
MINERAL AGGREGATE SURFACING	%: 7.0000 - 8.0000			
MATERIAL THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION Yes	COMPLETED:	MATERIAL TYPE: Geologically Derived Material	
RESIDUALS AND IMPURITIES NOTES: Residuals were considered through information disclosed to the manufacturer by the materials suppliers.				

OTHER MATERIAL NOTES: Top surfacing material used to improve adhesion of poured concrete.

HAZARD DATA SOURCE: Ph	aros Chemical and Materials Lib	rary	HAZA	RD SCREENING DATE: 2024-03-12 5:41:	
%: 26.0000 - 35.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Anti-adhesive age	
HAZARD TYPE	LIST NAME AND SOURCE	LIST NAME AND SOURCE			
CAN	US CDC - Occupational Car	US CDC - Occupational Carcinogens		Carcinogen	
CAN	CA EPA - Prop 65	CA EPA - Prop 65		specific to chemical form or exposure route	
CAN	US NIH - Report on Carcino	gens	Known to be l	Human Carcinogen (respirable size - setting)	
CAN	МАК		Carcinogen Group 1 - Substances that cause cancer in man		
CAN	IARC		Group 1 - Agent is carcinogenic to humans - inhaled occupational sources		
CAN	IARC	IARC		Group 1 - Agent is Carcinogenic to humans	
CAN	US NIH - Report on Carcino	US NIH - Report on Carcinogens		Known to be a human Carcinogen	
CAN	GHS - Japan	GHS - Japan		H350 - May cause cancer [Carcinogenicity - Category 1A]	
CAN	GHS - Australia	GHS - Australia		cause cancer by inhalation [Carcinogenicity - or 1B]	
CAN	GHS - New Zealand		Carcinogenicity category 1		
MAM	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxic following repeated exposure - Category 1]		
GEN	GHS - Japan			ected of causing genetic defects [Germ cell - Category 2]	
MAM	GHS - Australia		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]		
MAM	GHS - New Zealand		Specific target organ toxicity - repeated exposure category 1		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	N	

SUBSTANCE NOTES: Mineral aggregate surfacing is composed of natural sand, which is composed of different minerals. Quartz is one of these minerals.

FELDSPAR (FELDSPAR)				ID: <b>68476-25-5</b>
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZA	RD SCREENING DATE: 2024-03-12 5:41:41
%: <b>28.0000 - 32.0000</b>	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Anti-adhesive agent

ADDITIONAL LIST NAME AND SOURCE NOTIFICATION	None found		No listings found on Additional Hazard Lists
1	ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
MAM GHS - New Zealand Specific target organ toxicity - repeated exposure category	MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1

# ALUMINUM SILICATE, NATURAL (ALUMINUM SILICATE, NATURAL - FELDSPATH)

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-03-12 5:41:41 %: 27.0000 - 31.0000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Anti-adhesive agent HAZARD TYPE LIST NAME AND SOURCE WARNINGS SKI GHS - New Zealand Skin irritation category 2 EYE GHS - New Zealand Eye irritation category 2 ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION No listings found on Additional Hazard Lists None found

SUBSTANCE NOTES: Mineral aggregate surfacing is composed of natural sand, which is composed of different minerals. Feldspath is one of these minerals.

MICA (MICA)				ID: <b>12001-26-2</b>
HAZARD DATA SOURCE: P	haros Chemical and Materials Librar	у	HAZA	RD SCREENING DATE: 2024-03-12 5:41:42
%: 2.0000 - 5.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Anti-adhesive agent
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
МАМ	GHS - Japan		repeated expo	es damage to organs through prolonged or osure [Specific target organs/systemic toxicity eated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	DN
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Mineral aggregate surfacing is composed of natural sand, which is composed of different minerals. Mica is one of these minerals.

ID: 12141-46-7

# ID: 1309-37-1 HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-03-12 5:41:42 %: 2.0000 GreenScreen: BM-1 RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual HAZARD TYPE LIST NAME AND SOURCE WARNINGS Carcinogen Group 3B - Evidence of carcinogenic effects

CAN	МАК	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
МАМ	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Mineral aggregate surfacing is composed of natural sand, which is composed of different minerals. Iron oxide may be present as an impurity in natural sand.

# SODIUM OXIDE (SODIUM OXIDE)

HAZARD DATA SOURCE	Pharos Chemical and Materials Library		HAZAF	RD SCREENING DATE: 2024-03-12 5:41:42
%: 2.0000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			Nov	warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	Ν
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Mineral aggregate surfacing is composed of natural sand, which is composed of different minerals. Sodium oxide may be present as an impurity in natural sand.

DIPOTASSIUM OXIDE (DIPOTASSIUM OXIDE) ID: 12136-45-					
HAZARD DATA SOU	RCE: Pharos Chemical and Materials Librar	HAZAF	RD SCREENING DATE: 2024-03-12 5:41:42		
%: <b>2.0000</b>	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No v	warnings found on HPD Priority Hazard Lists	

ID: 1313-59-3

### None found

SUBSTANCE NOTES: Mineral aggregate surfacing is composed of natural sand, which is composed of different minerals. Dipotassium oxide may be present as an impurity in natural sand.

### CALCIUM OXIDE (CALCIUM OXIDE)

ID: 1305-78-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZAF	RD SCREENING DATE: 2024-03-12 5:41:43	
%: <b>1.0000</b> G	areenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
SKI	GHS - Australia		H315 - Causes Category 2]	skin irritation [Skin corrosion/irritation -	
МАМ	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicit following repeated exposure - Category 1]		
МАМ	GHS - Japan		H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]		
SKI	GHS - New Zealand		Skin corrosion category 1C		
EYE	GHS - New Zealand		Serious eye da	mage category 1	
EYE	GHS - Japan		H318 - Causes serious eye damage [Serious eye c eye irritation - Category 1]		
SKI	GHS - Japan		H315 - Causes Category 2]	skin irritation [Skin corrosion / irritation -	
EYE	GHS - Australia		H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N	
RESTRICTED LIST	Green Science Policy Institute (G	SPI)	GSPI - Six Clas	sses Precautionary List	
			Antimicrobials		

SUBSTANCE NOTES: Mineral aggregate surfacing is composed of natural sand, which is composed of different minerals. Calcium oxide may be present as an impurity in natural sand.

MAGNESIUM OXIDE (MAGNESIUM OXIDE)				ID: <b>1309-48-4</b>	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-03-12 5:41:43		
%: <b>0.5000</b>	GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual	

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	МАК	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
МАМ	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Minera may be present as an impurity		sand, which is composed of different minerals. Magnesium oxide

### POLYESTER REINFORCING MAT %: 3.5000 - 4.5000

MATERIAL THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: 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.

POLYESTER (POLYESTER) ID: 113669-95				
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZA	ARD SCREENING DATE: 2024-03-12 5:41:43	
%: 100.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No	o warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	N
None found				No listings found on Additional Hazard Lists

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

### SILICONE-COATED RELEASE FILM %: 0.3000 - 0.4000

MATERIAL THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: 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: Silicone-coated release film is composed of a base polymeric film (polyolefin type) coated with a silicone-based release material.

POLYETHYLENE (POLYETHYLENE)			ID: 9002-88-4		
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZA	RD SCREENING DATE: 2024-03-12 5:41:43	
%: 95.0000 - 99.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Anti-adhesive agent	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No	warnings found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIC	DN	
None found				No listings found on Additional Hazard Lists	

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 (POLYDIMETHYLSILOXANES)

ID: 63148-62-9

HAZARD DATA SOURCE: P	haros Chemical and Materials Librar	у	HAZA	RD SCREENING DATE: 2024-03-12 5:41:43
%: 1.0000 - 5.0000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Anti-adhesive agent
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
PBT EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIC	DN
None found				No listings found on Additional Hazard Lists

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.

### POLYPROPYLENE FILM

%: 0.1000 - 0.2000

MATERIAL THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: 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 (POI	LYPROPYLENE)			ID: 9003-07-0
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZA	RD SCREENING DATE: 2024-03-12 5:41:43
%: 100.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Anti-adhesive agent
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No	warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIC	N
None found				No listings found on Additional Hazard Lists
SUBSTANCE NOTES: E	30PP film.			

COLORED SAND	%: 0.0200 - 0.1500	
MATERIAL THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No	MATERIAL TYPE: Geologically Derived Material
RESIDUALS AND IMPURITIES NC materials suppliers.	TES: Residuals were not considered because information could no	ot be disclosed to the manufacturer by the

OTHER MATERIAL NOTES: Colored sand is used to generate lay lines on top surface of this product.

QUARTZ (QUARTZ)				ID: 14808-60-7
HAZARD DATA SOURCE: Pha	ros Chemical and Materials Li	ibrary	HAZARD S	CREENING DATE: 2024-03-12 5:41:43
%: <b>98.0000 - 99.0000</b>	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Dye

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
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	МАК	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
МАМ	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Residuals suppliers.	were not considered because information cou	d not be disclosed to the manufacturer by the materials
2-(2-BUTOXYETHOXY)ETHANOL		ID: <b>112-34-5</b>
HAZARD DATA SOURCE: Pharo	s Chemical and Materials Library	HAZARD SCREENING DATE: 2024-03-12 5:41:43
%: <b>0.2000</b> GreenScr	een: LT-P1 RC: No	NANO: NO SUBSTANCE ROLE: Dye

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
EYE	GHS - New Zealand	Eye irritation category 2
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
МАМ	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Formulated Consumer Products
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List
		Some Solvents

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

TRIETHOXY(ETHYL)SILANE					ID: <b>78-07-9</b>
HAZARD DATA SC	HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-03-12 5:41	
%: <b>0.1000</b>	GreenScre	en: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Dye
HAZARD TYPE		LIST NAME AND SOURCE		WARNINGS	
None found				No warr	nings found on HPD Priority Hazard Lists
ADDITIONAL LIS	TINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found				No	listings found on Additional Hazard Lists

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

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 - N/A	
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: N/A CERTIFICATE URL:	ISSUE DATE: 2020-05-01 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: N/A
CERTIFICATION AND COMPLIANCE NOTES: N/A - This pro	duct is an exterior product therefore is not to be teste	ed for VOC emissions.
MANAGEMENT	ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party 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/2021/10/SOPREMA-ISO-9001-EN-1.pdf	ISSUE DATE: 2021-09-23 00:00:00 EXPIRY DATE: 2024-05-07 00:00:00	CERTIFIER OR LAB: SGS ICS

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.

MANAGEMENT	ISO 14001:2015 Environmental management systems	
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	ISSUE DATE: 2021-09-23 00:00:00 EXPIRY DATE: 2024-05-07 00:00:00	CERTIFIER OR LAB: SGS ICS

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.

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

ISSUE DATE: 2021-09-23 00:00:00 EXPIRY DATE: 2024-05-07 00:00:00

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.

## ALSAN RS

MANUFACTURER (OR GENERIC): SOPREMA

HPD URL: No HPD available

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: ALSAN RS liquid waterproofing membrane may be used for sealing around penetrations through COLPHENE BSW H.

# 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: 310 Quadral Dr. Wadsworth, OH 44281 COUNTRY: USA WEBSITE: www.soprema.us CONTACT NAME: Jean-François Côté TITLE: Director, Standards and Scientific Affairs PHONE: 877-626-6688 x114211 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

LT-P1 List Translator Possible 1 (Possible Benchmark-1) LT-1 List Translator 1 (Likely Benchmark-1) LT-UNK List Translator Benchmark Unknown NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

### **Recycled Types**

GreenScreen (GS)

PreC Pre-consumer recycled contentPostC Post-consumer recycled contentUNK Inclusion of recycled content is unknownNone Does not include recycled content

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)

### Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**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<sup>TM</sup>, and when available, full GreenScreen<sup>®</sup> 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.