

HPD UNIQUE IDENTIFIER: 2986096555008
CLASSIFICATION: 32 12 16 Asphalt Paving
PRODUCT DESCRIPTION: This HPD covers DuraShield Solar Gray and Asphalt Gray.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	<i>For all contents above the threshold, the manufacturer has:</i>
<input type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	<input type="radio"/> Completed	Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	<input type="radio"/> Partially Completed	<i>Provided weight and role.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Not Completed	Screened <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>Provided name and CAS RN or other identifier.</i>

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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
DURASHIELD PAVEMENT COATING [QUARTZ BM-1] CAN | MAM | GEN **WATER BM-4 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE, 2-ETHYLHEXYL 2-PROPENOATE AND 2-METHYL-2-[(1-OXO-2-PROPEN-1-YL)AMINO]-1-PROPANESULFONIC ACID NoGS POLYCARBOXYLIC ACID, SODIUM SALT NoGS UNDISCLOSED NoGS IRON OXIDE (FE3O4) BM-1]** CAN **C.I. PIGMENT YELLOW 42 LT-UNK 1-(2-BUTOXY-1-METHYLETHOXY)PROPAN-2-OL LT-UNK]** EYE **TITANIUM DIOXIDE BM-1]** CAN | END | MAM **CELLULOSE, ETHYL 2-HYDROXYETHYL ETHER LT-UNK UNDISCLOSED LT-P1]** EYE | SKI | MUL | | MAM | AQU **ALCOHOLS, C9-11-ISO-, C10-RICH, ETHOXYLATED LT-UNK]** SKI | EYE **2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5- TRIYL)TRIETHANOL (HHT) NoGS POLY(OXY-1,2-ETHANEDIYL), α-HYDRO-ω-HYDROXY-LT-UNK DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC LT-1]** CAN | MUL | SKI | DEV **DISTILLATES (PETROLEUM), SOLVENT-REFINED LIGHT PARAFFINIC LT-1]** CAN | MUL | SKI | DEV **POLY(OXY-1,2-ETHANEDIYL), α-[3,5-DIMETHYL-1-(2-METHYLPROPYL)HEXYL]-ω-HYDROXY- LT-UNK]** MUL]

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1, LT-1
Nanomaterial ... No
INVENTORY AND SCREENING NOTES:

All substances above 1000 ppm have been considered and screened.
Some substances are considered proprietary.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material Regulatory (g/l): <100 g/L SCAQMD traffic coating
(g/l): 9 g/L threshold; <250 g/L EPA traffic coating threshold
Does the product contain exempt VOCs: No
Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*
VOC emissions: CDPH Standard Method - Not tested
VOC content: SCAQMD Rule 1113 Architectural Coatings - Flats, floor coatings, non flat coatings, quick dry enamels, roof coatings only - 2007 amendments

CONSISTENCY WITH OTHER PROGRAMS

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

☐ Yes
☒ No

VERIFIER:
VERIFICATION #:

PUBLISHED DATE: 2024-06-24
EXPIRY DATE: 2027-06-04

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

DURASHIELD PAVEMENT COATING

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were not considered

OTHER PRODUCT NOTES:

QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-06-04 13:51:26

%: 53.0000 - 64.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Filler
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	MAK	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]		
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	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

WATER

ID: 7732-18-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-06-04 13:51:27		
%: 23.0000 - 40.0000	GreenScreen: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Carrier
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions		
		Exempted from REACH Annex IV listing due to intrinsic safety		
SUBSTANCE NOTES:				

2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE, 2-ETHYLHEXYL 2-PROPENOATE AND 2-METHYL-2-[(1-OXO-2-PROPEN-1-YL)AMINO]-1-PROPANESULFONIC ACID

ID: 68698-67-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-06-04 13:51:27		
%. 7.0000 - 10.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES:				

POLYCARBOXYLIC ACID, SODIUM SALT

ID: 62601-60-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-06-04 13:51:27		
%: 0.0000 - 7.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Surfactant
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Chemical Hazard Screening Library		HAZARD SCREENING DATE: 2024-06-04 12:41:17		
%: 0.0000 - 4.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: This substance is considered proprietary				

IRON OXIDE (FE3O4)

ID: 1317-61-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-06-04 13:51:27		
%: 0.0000 - 4.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES:				

C.I. PIGMENT YELLOW 42

ID: 51274-00-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-06-04 13:51:27		
%: 0.0000 - 3.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES:

1-(2-BUTOXY-1-METHYLETHOXY)PROPAN-2-OL

ID: 29911-28-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-06-04 13:51:27	
%: 0.4000 - 3.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation category 2	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes Precautionary List	
			Some Solvents	
SUBSTANCE NOTES:				

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-06-04 13:51:28	
%: 0.2000 - 2.5000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources		
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
CAN	IARC	Group 2b - Possibly carcinogenic to humans		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [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]		

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)
SUBSTANCE NOTES:		

CELLULOSE, ETHYL 2-HYDROXYETHYL ETHER					ID: 9004-58-4	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-06-04 13:51:28			
%: 0.2000 - 2.5000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier		
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS				
None found			No warnings found on HPD Priority Hazard Lists			
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION				
None found			No listings found on Additional Hazard Lists			
SUBSTANCE NOTES:						

UNDISCLOSED					ID: Undisclosed
HAZARD DATA SOURCE: Toxnot Chemical Hazard Screening Library			HAZARD SCREENING DATE: 2024-06-04 12:41:24		
%: 1.0000 - 2.5000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species	

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
EYE	EU - GHS (H-Statements)	Eye Irritation/Corrosivity
SKI	EU - GHS (H-Statements)	Skin Sensitization
SKI	EU - GHS (H-Statements)	Skin Irritation/Corrosivity
MUL	German FEA - Substances Hazardous to Waters	Mult*
	EC - CEPA DSL	Persistence
EYE	New Zealand - GHS	Eye Irritation/Corrosivity
MAM	New Zealand - GHS	Systemic Toxicity/Organ Effects (Repeated Exposure)
MUL	EC - CEPA DSL	Mult*
MUL	Japan - GHS	Mult*
MUL	Korea - GHS	Mult*
SKI	Korea - GHS	Skin Irritation/Corrosivity
MUL	Australia - GHS	Mult*
AQU	Australia - GHS	Chronic Aquatic Toxicity
AQU	Japan - GHS	Acute Aquatic Toxicity
EYE	Australia - GHS	Eye Irritation/Corrosivity
EYE	Japan - GHS	Eye Irritation/Corrosivity
MUL	EU - GHS (H-Statements)	Mult*
SKI	Japan - GHS	Skin Irritation/Corrosivity
SKI	Japan - GHS	Skin Sensitization
AQU	New Zealand - GHS	Chronic Aquatic Toxicity
SKI	Australia - GHS	Skin Irritation/Corrosivity
SKI	New Zealand - GHS	Skin Sensitization
SKI	Australia - GHS	Skin Sensitization
SKI	Korea - GHS	Skin Sensitization
AQU	EU - GHS (H-Statements)	Chronic Aquatic Toxicity

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This substance is considered proprietary

<div>%: 0.0000 - 2.0000</div>		<div>GreenScreen: LT-UNK</div>	<div>RC: None</div>	<div>NANO: No</div>	<div>SUBSTANCE ROLE: Solvent</div>
HAZARD TYPE		LIST NAME AND SOURCE		WARNINGS	
SKI		GHS - Australia		H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]	
EYE		GHS - Australia		H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]	
ADDITIONAL LISTINGS		LIST NAME AND SOURCE		NOTIFICATION	
None found		No listings found on Additional Hazard Lists			
SUBSTANCE NOTES:					

2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5- TRIYL)TRIETHANOL (HHT)

ID: **Not Registered**

HAZARD DATA SOURCE: Toxnot Chemical Hazard Screening Library			HAZARD SCREENING DATE: 2024-06-04 12:41:26		
%: 0.0000 - 2.0000		GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Surfactant
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: This substance is considered proprietary					

POLY(OXY-1,2-ETHANEDIYL), α-HYDRO-ω-HYDROXY-

ID: **25322-68-3**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-06-04 13:51:28		
%: 0.2000 - 0.5000	GreenScreen: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes Precautionary List		
			Antimicrobials		
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes Precautionary List		
			Some Solvents		
SUBSTANCE NOTES:					

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-06-04 13:51:28	
%: 0.1000 - 0.4500	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Defoamer
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	EU - Annex VI CMRs		Carcinogen Category 1B - Presumed Carcinogen based on animal evidence	
MUL	ChemSec - SIN List		CMR - Carcinogen, Mutagen &/or Reproductive Toxicant	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
CAN	GHS - Australia		H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]	
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1		H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]	
SKI	GHS - Australia		H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]	
DEV	GHS - Australia		H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]	
CAN	EU - REACH Annex XVII CMRs		Carcinogens: Category 1B	
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	
			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	
			Formulated Consumer Products	
SUBSTANCE NOTES:				

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-06-04 13:51:28	
%: 0.1000 - 0.4500	GreenScreen: LT-1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Defoamer

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
DEV	GHS - Australia	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]
CAN	EU - REACH Annex XVII CMRs	Carcinogens: Category 1B
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products
SUBSTANCE NOTES:		

POLY(OXY-1,2-ETHANEDIYL), α-[3,5-DIMETHYL-1-(2-METHYLPROPYL)HEXYL]-ω-HYDROXY-

ID: 60828-78-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-06-04 13:51:29	
%: 0.0000 - 0.2000	GreenScreen: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Surfactant
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 3 - Severe Hazard to Waters	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES:				

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	CDPH Standard Method - Not tested	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2024-06-04 00:00:00	CERTIFIER OR LAB: None
APPLICABLE FACILITIES: All	EXPIRY DATE:	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES: VOC emissions testing has not been performed for this product		

VOC CONTENT	SCAQMD Rule 1113 Architectural Coatings - Flats, floor coatings, non flat coatings, quick dry enamels, roof coatings only - 2007 amendments	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2024-06-04 00:00:00	CERTIFIER OR LAB: Internal
APPLICABLE FACILITIES: All	EXPIRY DATE:	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES:		

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.

No accessories are required for this product.

Section 5: General Notes

This HPD covers DuraShield Solar Gray and Asphalt Gray.

MANUFACTURER INFORMATION

MANUFACTURER: **GAF**
ADDRESS: **1 Campus Drive**
Parsippany, NJ - New Jersey 07054
COUNTRY: **United States**

WEBSITE: **www.gaf.com**
CONTACT NAME: **Aly Perez**
TITLE: **Sr. Product Sustainability Specialist**
PHONE: **973-385-8108**
EMAIL: **alyson.perez@gaf.com**

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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

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

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

Inventory Methods:

Nested Method / Material Threshold	Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold	Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold	Substances listed individually per threshold indicated per product

Nano	Composed of nano scale particles or nanotechnology
Third Party Verified	Verification by independent certifier approved by HPDC
Preparer	Third party preparer, if not self-prepared by manufacturer
Applicable facilities	Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,*
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

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

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and

