

## Section 1: Summary

### CONTENT INVENTORY

Threshold per material	Residuals and impurities considered in 1 of 1 materials	Based on the selected Content Inventory Threshold:	
<input type="radio"/> 100 ppm	<input checked="" type="radio"/> see Section 2: Material Notes	Characterized.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> 1,000 ppm	<input checked="" type="radio"/> see Section 5: General Notes	Are the Percent Weight and Role provided for all substances?	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Per GHS SDS		Screened.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Per OSHA MSDS		Are all substances screened using Priority Hazard Lists with results disclosed?	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Other		Identified.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
		Are all substances disclosed by Name (Specific or Generic) and Identifier?	<input checked="" type="radio"/> Yes <input type="radio"/> No

### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

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

STREETBOND® SB150 PAVEMENT COATING (PART A & B) [ QUARTZ BM-1 | CAN WATER BM-4 EPICHLOROHYDRIN-BISPHENOL A RESIN LT-P1 | EYE | SKI | AQU | MUL METHYLCHLOROISOTHIAZOLINONE (CIT, CMIT) LT-P1 | MUL 1,3,5-TRIAZINE-1,3,5(2H,4H,6H)-TRIETHANOL (9CI) LT-UNK | MAM | SKI HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL) LT-1 | CAN | MUL ]

Number of Greenscreen BM-4/BM3 contents..... 1

Contents highest concern GreenScreen Benchmark or List translator Score..... BM-1

Nanomaterial..... No

### INVENTORY AND SCREENING NOTES:

One unit of StreetBond® SB150 Pavement Coating consists of: (1) – 3.75 gallon (14.2 liters) pails of Part A (1) – 1 quart (0.95 liter) container of Part B (1) – chosen StreetBond Colorant (sold separately)

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

### CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: October 28, 2016	EXPIRY DATE*: October 28, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: October 28, 2016	* or within 3 months of significant change in product contents
*See HPDC website for details			



## Section 2: Content in Descending Order of Quantity

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

### STREETBOND® SB150 PAVEMENT COATING (PART A & B)

%: 100.0000 - 100.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: Improves reflectivity, lengthens durability, improves aesthetics of hardscapes especially asphalt pavement.

#### QUARTZ

ID: 14808-60-7

%: 60.0000 - 70.0000

GS: BM-1

RC: None

NANO: NO

ROLE: Improves Traction

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen (form-specific or based on limited exposure pathways)

CANCER

IARC

Group 1: Agent is carcinogenic to humans - inhaled from occupational sources

CANCER

US NIH - Report on Carcinogens

Known to be Human Carcinogen (respirable size - occupational setting)

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

SUBSTANCE NOTES: Improves Traction

#### WATER

ID: 7732-18-5

%: 30.0000 - 40.0000

GS: BM-4

RC: None

NANO: NO

ROLE: Carrier/solvent

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Carrier/solvent

#### EPICHLOROHYDRIN-BISPHENOL A RESIN

ID: 25068-38-6

%: 2.0000 - 3.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Crosslinking agent/epoxy

HAZARDS:		AGENCY(IES) WITH WARNINGS:	
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes	
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin	
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact	
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms	
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects	
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation	
SKIN IRRITATION	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction	
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation	
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters	

SUBSTANCE NOTES: Crosslinking agent/epoxy

METHYLCHLOROISOTHIAZOLINONE (CIT, CMIT)				ID: 26172-55-4
%: 0.1000 - 1.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Antimicrobial

HAZARDS:		AGENCY(IES) WITH WARNINGS:	
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters	

SUBSTANCE NOTES: Antimicrobial

1,3,5-TRIAZINE-1,3,5(2H,4H,6H)-TRIETHANOL (9CI)				ID: 4719-04-4
%: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Antimicrobial

HAZARDS:		AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed	
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact	
SKIN IRRITATION	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction	
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization	

SUBSTANCE NOTES: Antimicrobial

HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL)				ID: 64742-54-7
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

CANCER	EU - R-phrases	R45 - May cause cancer
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES: Dispersant



## 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.



## Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.



## Section 5: General Notes



### MANUFACTURER INFORMATION

MANUFACTURER: GAF

CONTACT NAME: Martin Grohman

ADDRESS: 1 Campus Dr  
Parsippany, NJ 07054  
United States

TITLE: Director of Sustainability

PHONE: 2074238260

WEBSITE: www.gaf.com

EMAIL: mgrohman@gaf.com

### KEY

**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet

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

#### Hazard Types

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

**NF** Not found on Priority Hazard Lists

#### GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)

**BM-3** Benchmark 3 (use but still opportunity for improvement) BM-2  
Benchmark 2 (use but search for safer substitutes)

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

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1

**LT-1** List Translator Likely Benchmark 1

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

**UNK** Unknown (no data on List Translator Lists)

#### Recycled Types

**PreC** Preconsumer (Post-Industrial)

**PostC** Postconsumer

**Both** Both Preconsumer and Postconsumer

**Unk** Inclusion of recycled content is unknown

**None** Does not include recycled content

#### Other

**Nano** Composed of nanoscale particles or nanotechnology

#### Declaration Level

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

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

**Second Party** Verification by trade association or other interested party

**Third Party** Verification by independent certifier

**Applicable facilities** Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.