

CLASSIFICATION: 071416

created via: HPDC Online Builder

PRODUCT DESCRIPTION: TERM Sealant Barrier is a sealant barrier , applied with a caulking gun or smoothing tool, and used for both waterproofing and insect exclusion.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

Characterized Percent Weight and Role Provided? Yes No

Screened Using Priority Hazard Lists with Results Disclosed? Yes No

Identified Name and Identifier Provided? Yes 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

TERM SEALANT BARRIER [ASPHALT LT-1 | CAN TOLUENE BM-1 | MAM | SKI | DEL | END | MUL | REP | PHY N-HEXANE LT-P1 | MAM | SKI | AQU | REP | MUL | END | PHY LIMESTONE; CALCIUM CARBONATE LT-UNK STYRENE BUTADIENE RUBBER (SBR) LT-UNK BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE LT-UNK QUARTZ LT-1 | CAN SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA LT-UNK]

Number of Greenscreen BM-4/BM3 contents..... 0
Contents highest concern GreenScreen
Benchmark or List translator Score..... BM-1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

Reviewed the SDS for all raw materials used in the production of this product. Performed calculations to determine the percentage of each component including the residuals and impurities. Only reported residuals or impurities that were above the 1000 ppm threshold.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 248 Regulatory (g/l): 248
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: No

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC content: VOC

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-08-22
PUBLISHED DATE: 2017-08-29
EXPIRY DATE: 2020-08-22

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

TERM SEALANT BARRIER

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals in the raw materials used to make this product are at levels less than 1000 ppm.

OTHER PRODUCT NOTES: None

ASPHALT

ID: 8052-42-4

#: 43.0000 - 47.0000 GS: LT-1 RC: None NANO: No ROLE: Binder

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: Only residuals and impurities found at levels above 1000 ppm were reported.

TOLUENE

ID: 108-88-3

#: 12.0000 - 20.0000 GS: BM-1 RC: None NANO: No ROLE: Solvent

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
DEVELOPMENTAL	EU - R-phrases	R63 - Possible risk of harm to the unborn child
DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
DEVELOPMENTAL	EU - GHS (H-Statements)	H361d - Suspected of damaging the unborn child

ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1A
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Only residuals or impurities that were above the 1000 ppm threshold were reported.

N-HEXANE

ID: 110-54-3

#: 10.0000 - 15.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Solvent
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MAMMALIAN	EU - R-phrases		R20 - Harmful by Inhalation (gas or vapor or dust/mist)	
SKIN IRRITATION	EU - R-phrases		R38 - Irritating to skin	
ORGAN TOXICANT	EU - R-phrases		R48: Danger of serious damage to health by prolonged exposure.	
ACUTE AQUATIC	EU - R-phrases		R51 - Toxic to Aquatic Organisms	
REPRODUCTIVE	EU - R-phrases		R62 - Possible risk of impaired fertility	
CHRON AQUATIC	EU - GHS (H-Statements)		H411 - Toxic to aquatic life with long lasting effects	
MAMMALIAN	EU - GHS (H-Statements)		H304 - May be fatal if swallowed and enters airways	
SKIN IRRITATION	EU - GHS (H-Statements)		H315 - Causes skin irritation	
REPRODUCTIVE	EU - GHS (H-Statements)		H361f - Suspected of damaging fertility	
MULTIPLE	ChemSec - SIN List		CMR - Carcinogen, Mutagen &/or Reproductive Toxicant	
ENDOCRINE	ChemSec - SIN List		Endocrine Disruption	
ENDOCRINE	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
MULTIPLE	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)		H225 - Highly flammable liquid and vapour	

SUBSTANCE NOTES: Only residuals or impurities that were above the 1000 ppm threshold were reported.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

#: 10.0000 - 16.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: filler
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: Only residuals & impurities above the 1000 ppm threshold were reported.

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

#: 7.0000 - 11.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Product flexibility
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No residuals or impurities were reports on the supplier's SDS.

BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE

ID: 25038-32-8

#: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Product flexibility
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No residuals or impurities were reported on the Supplier's SDS.

QUARTZ

ID: 14808-60-7

#: Impurity/Residual	GS: LT-1	RC: None	NANO: No	ROLE: Impurity/Residual
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

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

CANCER

New Zealand - GHS

6.7A - Known or presumed human carcinogens

CANCER

Australia - GHS

H350 - May cause cancer

SUBSTANCE NOTES: This material is an impurity found in Calcium Carbonate.

SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA

ID: 67762-90-7

#: 0.2000 - 0.6000	GS: LT-UNK	RC: None	NANO: No	ROLE: Viscosity stability
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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 CONTENT

VOC

CERTIFYING PARTY: Self-declared	ISSUE DATE: 2017-08-22	EXPIRY DATE: 2020-08-22	CERTIFIER OR LAB: Polyguard Products
APPLICABLE FACILITIES: All			
CERTIFICATE URL:			

CERTIFICATION AND COMPLIANCE NOTES: Determination of VOC for Polyguard Products Term Sealant The following methods were used to determine the VOC content: ASTM D2369 Standard Test Method for Volatile Content of Coatings ASTM D1475 Standard Test Method for Density of Liquid Coatings, Inks, and Related Products ASTM D3960 Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings. % non volatiles based on results from ASTM D2369- 74.7 % Density- 8.17 lbs/gal Calculated VOC- 247.7 g/l

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

All components are blended together to form a mastic type product.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Polyguard Products**
 ADDRESS: **4101 South I-45**
Ennis TX 75119, US
 WEBSITE: **www.polyguard.com**

CONTACT NAME: **John Muncaster**
 TITLE: **CEO**
 PHONE: **214-515-5000**
 EMAIL: **John@polyguard.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	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

Inventory Methods:

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

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

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

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

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

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

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