EverGuard® TPO Low VOC Bonding Adhesive by GAF®

Health Product Declaration v2.0

created via: HPDC Online Builder



Section 1: Summary

CONTENT INVENTORY		Based on the selected Content Inventory Threshold:		
Threshold per material	Residuals and impurities considered in	Characterized Are the Percent Weight and Role provided for all substances?	⊙ Yes	O No
O 100 ppm O 1,000 ppm O Per GHS SDS O Per OSHA MSDS	1 of 1 materials • see Section 2: Material Notes • see Section 5:	Screened Are all substances screened using Priority Hazard Lists with results disclosed?	• Yes	O No
O Other	General Notes	IdentifiedAre all substances disclosed by Name (Specific or Generic) and Identifier?	⊙ Yes	O 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**

EVERGUARD® TPO LOW VOC BONDING ADHESIVE [METHYL ACETATE LT-P1 | EYE | PHY PARACHLOROBENZOTRIFLUORIDE (PCBTF) LT-P1 | MUL N-HEXANE LT-P1 | MAM | SKI | AQU | REP | MUL | END | PHY TOLUENE BM-1 | MAM | SKI | DEV | REP | END | MUL | PHY CYCLOHEXANE LT-P1 | SKI | AQU | MAM | MUL | PHY N-HEPTANE | LT-P1 | SKI | AQU | MAM | END | MUL | PHY SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC LT-1 | CAN | GEN | MAM | MUL METHANOL LT-1 | MAM | DEV | PHY | END | MUL]

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:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE

VOC Content data is not applicable for this product category.

No certifications have been added to this HPD.

O Self-Published* VERIFIER: VERIFICATION #: SCREENING DATE: April 14, 2017 RELEASE DATE: April 14, 2017

EXPIRY DATE*: April 14, 2020



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 and www.greenscreenchemicals.org.

nai Notes. Everguarus 1	PO Low VOC Bonding Adhe	esive		
METHYL ACETATE			ID: 79-	20-9
%: 25.0000 - 50.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Solvent/Cleane
HAZARDS:		AGE	NCY(IES) WITH WARNIN	IGS:
EYE IRRITATION	EU - R-phrases		R36 - Irritatin	g to eyes
EYE IRRITATION	EU - GHS (H-Sta	atements)	H319 - Cause	es serious eye irritation
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Sta	itements)	H225 - Highly	/ flammable liquid and vapour
SUBSTANCE NOTES: S	Solvent			
PARACHLOROBENZOT	TRIFLUORIDE (PCBTF)		ID: 98-	56-6
%: 10.0000 - 30.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Solvent/Cleane
HAZARDS:		AGE	NCY(IES) WITH WARNIN	IGS:
MULTIPLE	German FEA - S	ubstances Hazardous	o Waters Class 2 - Haz	card to Waters
SUBSTANCE NOTES: S	Solvent/Cleaner			
N-HEXANE			ID: 110)-54-3
%: 3.0000 - 10.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Solvent/Cleane
HAZARDS:		AGE	NCY(IES) WITH WARNIN	IGS:
MAMMALIAN	EU - R-phrases		R20 - Harmfu dust/mist)	ıl by Inhalation (gas or vapor or
SKIN IRRITATION	EU - R-phrases		R38 - Irritatin	g to skin

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: Solvent/Cleaner

TOLUENE			ID: 108-88	3-3
%: 1.0000 - 5.0000	GS: BM-1	RC: None	NANO: NO	ROLE: Solvent/Cleaner

HAZARDS:	AGENCY(NCY(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	
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female	
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	S Class 2 - Hazard to Waters			
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour			
SUBSTANCE NOTES: Solvent/Cleaner					
CYCLOHEXANE	ID: 110-82-7				
%: 1.0000 - 5.0000	GS: LT-P1 RC: None	NANO: NO ROLE: Solvent/Cleaner			
HAZARDS:	AGENCY(IES) WITH WARNINGS:				
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin			
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms			
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life			
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very 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			
MULTIPLE	German FEA - Substances Hazardous to Waters	s Class 2 - Hazard to Waters			
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour			
SUBSTANCE NOTES: S	olvent/Cleaner				
N-HEPTANE		ID: 142-82-5			
%: 1.0000 - 5.0000	GS: LT-P1 RC: None	NANO: NO ROLE: Solvent/Cleaner			
HAZARDS:	AGENCY(IES) WITH WARNINGS:				
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin			
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms			
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life			
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very 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			
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor			

MULTIPLE	German FEA - Substances Hazar	dous to Waters Class 2 - Hazard to Waters	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour	
SUBSTANCE NOTES: 9	Solvent/Cleaner		
SOLVENT NAPHTHA (F	PETROLEUM), LIGHT ALIPHATIC	ID: 64742-89-8	
%: 1.0000 - 5.0000	GS: LT-1 RC: None	NANO: NO ROLE: Miscibility	
HAZARDS:		AGENCY(IES) WITH WARNINGS:	
CANCER	EU - R-phrases	R45 - May cause cancer	
GENE MUTATION	EU - R-phrases	R46 - May cause heritable genetic damage	
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways	
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects	
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	
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man	
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant	
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinoger based on animal evidence	
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B	
SUBSTANCE NOTES: I	Low VOC Bonding Adhesive/Miscibility		
METHANOL		ID: 67-56-1	
%: 0.4000 - 0.6000	GS: LT-1 RC: None	NANO: NO ROLE: Solvent/Cleaner	
HAZARDS:		AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)	
MAMMALIAN	EU - R-phrases	R24 - Toxic in Contact with Skin	
MAMMALIAN	EU - R-phrases	R25 - Toxic if Swallowed	
ORGAN TOXICANT	EU - R-phrases	R39 - Danger of very serious irreversible effects	

DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
ORGAN TOXICANT	EU - GHS (H-Statements)	H370 - Causes damage to organs
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SUBSTANCE NOTES: Solvent/	Cleaner	



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

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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

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

Hazard Types

AQU Aquatic toxicity GLO Global warming

CAN Cancer MAM Mammalian/systemic/organ toxicity

DEV Developmental toxicity MUL Multiple hazards REP Reproductive toxicity

RES Respiratory sensitization

DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity

MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion

GEN Gene mutation PBT Persistent Bioaccumulative Toxic 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 Unspeci ed (insu cient data to benchmark)

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

SKI Skin sensitization/irritation/corrosivity

PHY Physical Hazard (reactive)

LAN Land Toxicity

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.