

Name Everguard Extreme TPO



Product ID 50-80 mil Classification 07 54 00.00 Thermal and Moisture Protection (insulation water barrier): Thermoplastic Membrane Roofing

Website www.gaf.com

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Description Advanced Heat & UV Protection TPO
07 54 23

Release Date 2014-05-08 Expiry Date 2017-05-08
HPD URL https://tool.hpdcollaborative.org/upl...
Certification options: Self-declared, Second Party, Third Party
Certifier, Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: Measured 1000 ppm
Full Disclosure of Intentional Ingredients: Yes
Full Disclosure of Known Hazards: Yes
Disclosure Notes

Contents in Descending Order of Quantity

Ethylene-propylene copolymer, MAGNESIUM HYDROXIDE, Titanium dioxide, POLY((6-((1,1,3,3-TETRAMETHYLBUTYL)AMINO)-1,3,5-TRIAZINE-2,4-DIYL)((2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO)-1,6- HEXANEDIYL((2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO)), CALCIUM STEARATE, Tris(2,4-di-tert-butylphenyl) phosphite, CALCIUM, CHLORIDE, ALUMINUM OXIDE, IRON, SILICA, AMORPHOUS

Hazards: PBT (Persistent Bioaccumulative Toxic), Cancer, Gene Mutation
Highest concern GreenScreen score - List Translator Benchmark 1: Neurotoxicity, Land toxicity, Multiple, Physical hazard, Unknown, Global warming, Ozone depletion

Total VOC Content: Material (g/L) N/A, Regulatory (g/L) N/A
Does the product contain exempt VOCs? N/A
Are there VOC-free tints available? N/A

Notes

Certifications + Compliance

VOC Emissions Not tested VOC Content N/A
Multi-attribute NSF/ANSI 347: Sustainability Assessment for Single Ply Roofing Membranes

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit [hpdcollaborative.org](http://hpdcollaborative.org).

## CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at [www.hpdcollaborative.org/hazardlists](http://www.hpdcollaborative.org/hazardlists).

**GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
Ethylene-propylene copolymer	9010-79-1	75.2 %	LT-U	N	N	Base Polymer
None found	No warnings found on HPD Priority lists					
MAGNESIUM HYDROXIDE	1309-42-8	22.08 - 23.08 %	LT-U	N	N	Flame Retardant
None found	No warnings found on HPD Priority lists					
Titanium dioxide	13463-67-7	1.26 %	LT-1	N	N	Pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
POLY((6-((1,1,3,3-TETRAMETHYLBUTYL)AMINO)-1,3,5-TRIAZINE-2,4-DIYL)((2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO)-1,6-HEXANEDIYL((2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO))	71878-19-8	0.1 - 0.25 %		N	N	Light Stabilizer
None found	No warnings found on HPD Priority lists					
CALCIUM STEARATE	1592-	0.1 -		N	N	Lubricant

	23-0	0.15 %					
None found	No warnings found on HPD Priority lists						
<b>Tris(2,4-di-tert-butylphenyl) phosphite</b>	31570-04-4	0 - 0.2 %	LT-U	N	N	Secondary Antioxidant	
PBT	EU PBT: Under PBT evaluation						
<b>CALCIUM</b>	7440-70-2	R	LT-U			Unknown	
REACTIVE	EU H-Statements: H261 In contact with water releases flammable gases						
Vertex 60HST Calcium as indicated by MSDS							
<b>CHLORIDE</b>	16887-00-6	R				Unknown	
None found	No warnings found on HPD Priority lists						
Chloride Vertex 60HST As indicated by MSDS							
<b>ALUMINUM OXIDE</b>	1344-28-1	R	LT-U			Unknown	
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only						
Ti-Pure R-960 as per MSDS							
<b>IRON</b>	7439-89-6	R	LT-U			Unknown	
None found	No warnings found on HPD Priority lists						
Vertex 60HST As per MSDS							
<b>SILICA, AMORPHOUS</b>	7631-86-9	R	LT-1			Unknown	
CANCER	NIOSH-C: Occupational carcinogen						
Ti-Pure R-960 as per MSDS							

### CERTIFICATIONS AND COMPLIANCE

**Certifying Party** = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

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

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC	Not tested			

Emissions				
VOC Content	N/A			
Recycled Content	Not tested			
Multi-attribute	NSF/ANSI 347: Sustainability Assessment for Single Ply Roofing Membranes			NSF Sustainability
	3rd party independent certification	2012-11-12	2014-11-12	<a href="http://www.nsf.org">www.nsf.org</a>
	Mt. Vernon IL Gainesville, TX			
		2012-08-21	2014-08-21	<a href="http://www.ul.com/global/eng/pages/offerings/businesses/environment/index.jsp">www.ul.com/global/eng/pages/offerings/businesses/environment/index.jsp</a>
	Mt. Vernon, IL Gainesville, TX			

#### ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products.

Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
<b>Condition when required or recommended and/or other notes</b>	
Drill-Tec Fasteners	
When mechanically fastening membrane	
EverGuard Adhesives	
When fully adhering membrane	

#### NOTES

Everguard TPO is Pharos Listed