


Name	EnergyGuard Insulation			 Health Product DECLARATION
Product ID	EnergyGuard Insulation	Classification	07 22 00.00 Thermal and Moisture Protection (insulation water barrier): Roof and Deck Insulation	
Website	www.gaf.com/Roofing/Commercial/Products/Roof_Insulation_And_Fastening_Systems/EnergyGuard_Insulation			
Manufacturer Address	GAF 1361 Alps Road Wayne, NJ 07470	Name Title Phone Email	Martin Grohman Director of Sustainability 973-872-4300 mgrohman@gaf.com	
Description	EnergyGuard™ Polyiso Insulation board is made of glass fiber reinforced cellulosic felt facers bonded to a core of isocyanurate foam.			

Release Date	2013-11-19	<input checked="" type="checkbox"/> Self-declared	Certifier Certificate #
Expiry Date	2016-11-19	<input type="checkbox"/> Second Party	
HPD URL	http://hpd.pharosproject.net/uploads/files/hpds/261/192-20131119135458.pdf	<input type="checkbox"/> Third Party	

SUMMARY DISCLOSURE

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

Residuals Disclosure	Full Disclosure of Intentional Ingredients	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input type="checkbox"/> measured 100 ppm (ideal)	Full Disclosure of Known Hazards	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input type="checkbox"/> measured 1000 ppm	Notes		
<input type="checkbox"/> predicted by process chemistry	N/A		
<input checked="" type="checkbox"/> as per MSDS (10,000 ppm)			
<input type="checkbox"/> not disclosed			
<input type="checkbox"/> other			

Contents in Descending Order of Quantity
POLYMERIC MDI (PMDI) , CELLULOSE , 1,2-PROPYLENEGLYCOL, ETHOXYLATED AND PROPOXYLATED , PENTANE , TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP) , Tertiary Amine , WATER , 134737-27-2 , 2-ETHYLHEXANOIC ACID, POTASSIUM SALT , POTASSIUM ACETATE , DIETHYLENE GLYCOL , TRIETHYLENE GLYCOL , Tetraethylene glycol

Hazards	Highest concern GreenScreen score - Possible Benchmark 1		
<input checked="" type="checkbox"/> PBT (Persistent Bioaccumulative Toxic)	<input type="checkbox"/> Development	<input type="checkbox"/> Neurotoxicity	<input type="checkbox"/> Land toxicity
<input checked="" type="checkbox"/> Cancer	<input type="checkbox"/> Reproductive	<input checked="" type="checkbox"/> Mammal	<input checked="" type="checkbox"/> Physical hazard
<input type="checkbox"/> Gene Mutation	<input type="checkbox"/> Endocrine	<input type="checkbox"/> Skin or Eye	<input type="checkbox"/> Global warming
	<input checked="" type="checkbox"/> Respiratory	<input checked="" type="checkbox"/> Aquatic toxicity	<input type="checkbox"/> Ozone depletion
			<input checked="" type="checkbox"/> Multiple
			<input checked="" type="checkbox"/> Unknown

Total VOC Content			
Material (g/L)	N/A	Does the product contain exempt VOCs?	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No
Regulatory (g/L)	N/A	Are there VOC-free tints available?	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No
Notes			

Certifications + Compliance			
VOC Emissions	Not tested	VOC Content	N/A

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.

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. **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	Warnings					Notes
POLYMERIC MDI (PMDI)	9016-87-9	38 - 40 %	U	N	N	Component of Two-Part Foam
CANCER	MAK: Carcinogen Group 4 - Non genotoxic carcinogen with low risk under MAK/BAT levels					Polymeric MDI
RESPIRATORY	EPA Action: Inhalation sensitizer causing asthma and lung damage					
MULTIPLE	EPA Action: EPA Chemical of Concern - Action Plan published					
CELLULOSE	65996-61-4	32.6 %		PC	N	Facer
None found	No warnings found on HPD Priority lists					Percentage provided for 1" thick product
1,2-PROPYLENEGLYCOL, ETHOXYLATED AND PROPOXYLATED	53637-25-5	19 %	U	PI	N	Component of two-part foam
None found	No warnings found on HPD Priority lists					CAS 111-46-6 CAS 112-27-6 CAS 112-60-7
PENTANE	109-66-0	5 %	P1	N	N	Blowing Agent
MAMMALIAN	EU H-Statements: H304: May be fatal if swallowed and enters airways					N/A
CHRON AQUATIC	EU H-Statements: H411 - Aquatic Chronic 2 - Toxic to aquatic life with long lasting effects					
FLAMMABLE	EU H-Statements: H225 Highly flammable liquid and vapour.					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP)	13674-84-5	2.2 %	U	N	N	Fire Retardant
PBT	San Antonio: Flame retardant substance class of concern for PB&T & long range transport					N/A
Tertiary Amine	Unknown	0.07 - 0.09 %		N	N	Polyurethane Foam Catalyst

Unknown	Not disclosed					Polyurethane Foam Catalyst
WATER	7732-18-5	0.15 %	U	N	N	Co-Blowing Agent
None found	No warnings found on HPD Priority lists					N/A
134737-27-2	Unknown	0.5 - 0.7 %		N	N	Surfactant
Unknown	Not disclosed					Surfactant CAS number not in system 1,2-Propanediol, polymer with ethyloxirane and oxirane, potassium salt
2-ETHYLHEXANOIC ACID, POTASSIUM SALT	3164-85-0	1.4 - 1.6 %	U	N	N	Gel Catalyst
None found	No warnings found on HPD Priority lists					Gel Catalyst
POTASSIUM ACETATE	127-08-2	0.25 - 0.35 %	U	N	N	Gel Catalyst
None found	No warnings found on HPD Priority lists					N/A
DIETHYLENE GLYCOL	111-46-6	R	U			Monomer
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					Diethylene Glycol
TRIETHYLENE GLYCOL	112-27-6	R	U			Monomer
None found	No warnings found on HPD Priority lists					
Tetraethylene glycol	112-60-7	R				Monomer
None found	No warnings found on HPD Priority lists					

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 Emissions	Not tested			
VOC Content	N/A			
Recycled Content	Not tested			

Other				

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
Condition when required or recommended and/or other notes	

NOTES

Material is available in a range of thickness. Values provided for 1" thickness.