EnergyGuard NH Polyiso Insulation by GAF

CLASSIFICATION: 07 22 16

PRODUCT DESCRIPTION: EnergyGuard NH Polyiso Roofing and Wall Insulation

Section 1: Summary

Content Inventory

Inventory Reporting Format
- Nested Materials Method
- Basic Method

Threshold Disclosed Per
- Material
- Product

Are All Substances Above the Threshold Indicated:
- Characterized
- Yes
- No

Residuals/Impurities
- Partially
- Not Considered

Explanation(s) provided for Residuals/Impurities?
- Yes
- No

Number of Greenscreen BM-4/BM3 contents............
- 0

Contents highest concern GreenScreen Benchmark or List translator Score............. LT-P1

Nanomaterial
- Yes
- No

Inventory and Screening Notes:
- All known residuals and impurities disclosed

Volatile Organic Compound (VOC) Content

VOC Content data is not applicable for this product category.

Certifications and Compliance

See Section 3 for additional listings.

VOC emissions: NA

Recycled content: GreenCircle - Recycled Content

Consistency with Other Programs

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verification?
- Yes
- No

Preparer: Self-Prepared

Verifier: 

Verification #: 

Screening Date: 2017-12-13

Published Date: 2018-03-15

Expiry Date: 2020-12-13
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

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**ENERGYGUARD NH POLYISO INSULATION**

**PRODUCT THRESHOLD:** 100 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes  
**RESIDUALS AND IMPURITIES NOTES:** All known residuals and impurities disclosed  
**OTHER PRODUCT NOTES:** Halogen-Free EnergyGuard NH Polyiso Insulation by GAF

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**POLYISOCYANURATE FOAM (POLYISOCYANURATE FOAM)**

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
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<tbody>
<tr>
<td>46.0000 - 54.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Insulating Foam</td>
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</tbody>
</table>

**HAZARDS:**
None Found  
**AGENCY(IES) WITH WARNINGS:** No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** Polymeric Insulating Foam incorporating Flame Retardant

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**CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE)**

<table>
<thead>
<tr>
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<td>41.0000 - 45.0000</td>
<td>NoGS</td>
<td>PostC</td>
<td>No</td>
<td>Facer</td>
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**HAZARDS:**
None Found  
**AGENCY(IES) WITH WARNINGS:** No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** Paper Facer from post-consumer newspaper fiber

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**PENTANE (PENTANE) (PENTANE (PENTANE))**

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
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<tbody>
<tr>
<td>3.0000 - 7.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Blowing Agent</td>
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**HAZARDS:**

**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

**MAMMALIAN**  
EU - GHS (H-Statements)  
H304 - May be fatal if swallowed and enters airways

**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

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**1,2-PROPANEDIOL, POLYMER WITH 2-ETHYLOXIRANE AND OXIRANE, POTASSIUM SALT (1,2-PROPANEDIOL, POLYMER WITH 2-ETHYLOXIRANE AND OXIRANE, POTASSIUM SALT)**

ID: 134737-27-2

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<td>NANO: No</td>
<td>ROLE: Catalyst</td>
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HAZARDS: None Found

AGENCY(IES) WITH WARNINGS:

None warnings found on HPD Priority lists

**BIS(2-DIMETHYLAMINOETHYL)(METHYL)AMINE (BIS(2-DIMETHYLAMINOETHYL)(METHYL)AMINE)**

ID: 3030-47-5

<table>
<thead>
<tr>
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<tr>
<td>NANO: No</td>
<td>ROLE: Catalyst</td>
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</table>

HAZARDS: MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

R24 - Toxic in Contact with Skin

SKIN IRRITATION

EU - R-phrases

R34 - Causes burns

MAMMALIAN

EU - GHS (H-Statements)

H311 - Toxic in contact with skin

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

**POTASSIUM ACETATE (POTASSIUM ACETATE)**

ID: 127-08-2

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<tr>
<td>NANO: No</td>
<td>ROLE: Catalyst</td>
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HAZARDS: None Found

AGENCY(IES) WITH WARNINGS:

None warnings found on HPD Priority lists

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Section 3: Certifications and Compliance

EnergyGuard NH Polyiso Insulation
hprepository.hpd-collaborative.org

HPD v2.1 created via HPDC Builder
Page 3 of 5
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 EMISSIONS

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
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<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>NA</td>
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<tr>
<td>CERTIFICATE URL:</td>
<td>NA</td>
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<tr>
<td>ISSUE DATE:</td>
<td>2018-03-05</td>
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<td>EXPIRY DATE:</td>
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<tr>
<td>CERTIFIER OR LAB:</td>
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<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
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### RECYCLED CONTENT

<table>
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<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
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<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Statesboro, GA; Gainesville, TX; Cedar City, UT</td>
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<tr>
<td>CERTIFICATE URL:</td>
<td><a href="http://greencirclecertified.com/database/">http://greencirclecertified.com/database/</a></td>
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<tr>
<td>ISSUE DATE:</td>
<td>2017-02-14</td>
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<td>EXPIRY DATE:</td>
<td>2020-02-14</td>
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<tr>
<td>CERTIFIER OR LAB:</td>
<td>Green Circle Certified, Inc</td>
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<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Recycled Content Certification</td>
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</table>

### 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

Halogen Free Polyiso Insulation

### Section 6: References

### MANUFACTURER INFORMATION

<table>
<thead>
<tr>
<th>MANUFACTURER:</th>
<th>GAF</th>
</tr>
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<tbody>
<tr>
<td>ADDRESS:</td>
<td>1 Campus Dr Parsippany NJ 07054, United States</td>
</tr>
<tr>
<td>WEBSITE:</td>
<td>1 Campus Dr</td>
</tr>
<tr>
<td>MANUFACTURER INFORMATION:</td>
<td>CONTACT NAME: Martin Grohman</td>
</tr>
<tr>
<td>TITLE:</td>
<td>Sustainability Champion</td>
</tr>
<tr>
<td>PHONE:</td>
<td>2074238260</td>
</tr>
<tr>
<td>EMAIL:</td>
<td><a href="mailto:mgrohman@gaf.com">mgrohman@gaf.com</a></td>
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</tbody>
</table>
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.