

HPD UNIQUE IDENTIFIER: 702645248

CLASSIFICATION: 07 21 13 Board Insulation

PRODUCT DESCRIPTION: This is a glass mineral wool board product with bio-based binder derived from corn and the glass has a high degree of recycled glass content. This is the only formaldehyde free glass mineral wool board product available on the market today. In addition to traditional uses, this product may be fabric wrapped as an excellent sound absorber for commercial environments.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
<input type="radio"/> Nested Materials Method <input checked="" type="radio"/> Basic Method	<input checked="" type="radio"/> 100 ppm <input type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Other	<input type="radio"/> Completed <input checked="" type="radio"/> Partially Completed <input type="radio"/> Not Completed	<b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No <i>Provided weight and role.</i>
<b>Threshold Disclosed Per</b> <input type="radio"/> Material <input checked="" type="radio"/> Product		<b>Explanation(s) provided :</b> <input checked="" type="radio"/> Yes <input type="radio"/> No	<b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No <i>Provided screening results using HPDC-approved methods.</i>
			<b>Identified</b> <input type="radio"/> Yes <input checked="" type="radio"/> No <i>Provided name and CAS RN or other identifier.</i>

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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY  
GREENSCREEN SCORE | HAZARD TYPE  
EARTHWOOL® INSULATION BOARD - UNFACED [ GLASS, OXIDE, CHEMICALS LT-UNK SYRUPS, HYDROLYZED STARCH LT-UNK UNDISCLOSED LT-P1 ] END SILANE LT-UNK | SKI | MAM | EYE ]

Number of Greenscreen BM-4/BM3 contents ... 0  
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The product is provided as a complete composite without nesting.

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: GreenGuard Gold  
VOC emissions: UL/GreenGuard Certified  
: Formaldehyde Free  
: UL Environmental Claim Validation - Recycled content

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.  
Pre-checked for LEED v4 Option 2.  
Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2024-03-12  
PUBLISHED DATE: 2024-03-12  
EXPIRY DATE: 2027-03-12

## 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 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

### EARTHWOOL® INSULATION BOARD - UNFACED

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Partially

RESIDUALS AND IMPURITIES NOTES: Trace levels of Impurities can be found in the minerals used in the glass making process.

OTHER PRODUCT NOTES: There are potential trace level materials in mined materials used in glass making but the level is diminimis and can vary depending on where materials are mined or sourced.

There are possibly trace level materials in organic binder from agricultural impacts and perhaps appear for the same reason depending on its source.

### GLASS, OXIDE, CHEMICALS

ID: 65997-17-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2024-03-12 6:16:57**

%: **80.0000 - 95.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Insulator**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

EXEMPT

European Union / European Commission (EU EC)

EU - REACH Exemptions

Exempted from REACH Annex V listing due to intrinsic safety

SUBSTANCE NOTES: This is the glass fiber insulation portion of the product and is validated by the EUCB exoneration auditing process.

### SYRUPS, HYDROLYZED STARCH

ID: 8029-43-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2024-03-12 6:16:57**

%: **5.0000 - 15.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

EXEMPT

European Union / European Commission (EU EC)

EU - REACH Exemptions

Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES:

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-02-01 18:30:31**

#: **0.0000 - 5.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Catalyst**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptor	Potential Endocrine Disruptor
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This is a proprietary ingredient that is part of the binder adhesive mixture, which is cured in the finished product.

**SILANE**

ID: **919-30-2**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-03-12 6:16:57**

#: **0.1000 - 1.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
SKI	GHS - New Zealand	Skin corrosion category 1C
EYE	GHS - New Zealand	Serious eye damage category 1
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Japan	H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

## 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 EMISSIONS	GreenGuard Gold	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Shelbyville CERTIFICATE URL: <a href="https://spot.ul.com/main-app/products/detail/5ad1e83055b0e82d946a0f73?page_type=Products%20Catalog">https://spot.ul.com/main-app/products/detail/5ad1e83055b0e82d946a0f73?page_type=Products%20Catalog</a>	ISSUE DATE: 2009-11-13 00:00:00 EXPIRY DATE: 2023-12-20 00:00:00	CERTIFIER OR LAB: UL
CERTIFICATION AND COMPLIANCE NOTES:		

VOC EMISSIONS	UL/GreenGuard Certified	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Shelbyville, IN. CERTIFICATE URL: <a href="https://res.cloudinary.com/knauf-insulation/image/upload/v1578650090/knauf%20insulation/insulation%20board/literature/knauf-insulation-board-ul-greenguard.pdf">https://res.cloudinary.com/knauf-insulation/image/upload/v1578650090/knauf%20insulation/insulation%20board/literature/knauf-insulation-board-ul-greenguard.pdf</a>	ISSUE DATE: 2009-11-13 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: UL Environmental
CERTIFICATION AND COMPLIANCE NOTES:		

FORMALDEHYDE CONTENT	Formaldehyde Free	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Shelbyville CERTIFICATE URL: <a href="https://res.cloudinary.com/knauf-insulation/image/upload/v1583774646/knauf%20insulation/insulation%20board/literature/knauf-insulation-board-ul-formaldehyde-free.pdf">https://res.cloudinary.com/knauf-insulation/image/upload/v1583774646/knauf%20insulation/insulation%20board/literature/knauf-insulation-board-ul-formaldehyde-free.pdf</a>	ISSUE DATE: 2011-07-20 00:00:00 EXPIRY DATE: 2023-12-20 00:00:00	CERTIFIER OR LAB: UL
CERTIFICATION AND COMPLIANCE NOTES:		

RECYCLED CONTENT	UL Environmental Claim Validation - Recycled content	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Shelbyville, IN. CERTIFICATE URL: <a href="https://res.cloudinary.com/knauf-insulation/image/upload/v1578650091/knauf%20insulation/insulation%20board/literature/knauf-insulation-board-ul-recycled-content.pdf">https://res.cloudinary.com/knauf-insulation/image/upload/v1578650091/knauf%20insulation/insulation%20board/literature/knauf-insulation-board-ul-recycled-content.pdf</a>	ISSUE DATE: 2012-08-10 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: UL Environmental
CERTIFICATION AND COMPLIANCE NOTES:		

## 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

The is a glass mineral wool board product with bio-based binder derived from corn and the glass has a high degree of recycled glass content. This is the only formaldehyde free glass mineral wool board product available on the market today. In addition to traditional uses, this product may be fabric wrapped as an excellent sound absorber for commercial environments.

The product has successfully passed EUCEB's recognition procedure for obtaining the registered trademark certifying the conformity of fibers produced with the requirements of Note Q of the Regulation (EC) No 1272/2008 of the European Parliament and of the Council as currently in force.'

**MANUFACTURER INFORMATION**

MANUFACTURER: **Knauf Insulation North America**  
 ADDRESS: **1 Knauf Dr**  
**Shelbyville, Indiana 46176**  
 COUNTRY: **USA**

WEBSITE: **www.knaufnorthamerica.com**  
 CONTACT NAME: **Gabriela Fleury**  
 TITLE: **Dir. Sustainability**  
 PHONE: **317-512-1016**  
 EMAIL: **info@us.knaufinsulation.com**

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> No GreenScreen.
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

**Recycled Types**

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms:**

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**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*

