

HPD UNIQUE IDENTIFIER: 111402575872

CLASSIFICATION: 09 81 16 Acoustic Blanket Insulation

PRODUCT DESCRIPTION: ROCKWOOL AFB evo™ is a no added formaldehyde stone wool batt insulation for interior partitions in commercial constructions where superior fire resistance and acoustical performance is required. ROCKWOOL AFB evo™ is UL validated to be Formaldehyde Free and holds a GREENGUARD GOLD certification. Rockwool™ is part of Rockwool International A/S, also known as Rockwool Group.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

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

STONE WOOL INSULATION: AFB EVO™ [STONE WOOL, BIOSOLUBLE LT-UNK SYRUPS, HYDROLYZED STARCH LT-UNK UNDISCLOSED LT-1 UREA LT-UNK | EYE SULFAMIC ACID, MONOAMMONIUM SALT LT-UNK | MAM | EYE AMMONIUM PHOSPHINATE NoGS]

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

INVENTORY AND SCREENING NOTES:

This product is not considered identified due to the proprietary nature of some chemicals within the product's formulation.

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 content: Formaldehyde Free
LCA: Environmental Product Declaration (EPD)
Biobased content: USDA Certified Biobased

CONSISTENCY WITH OTHER PROGRAMS

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

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2023-08-21

PUBLISHED DATE: 2023-08-21

EXPIRY DATE: 2026-08-21

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

STONE WOOL INSULATION: AFB EVO™

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered following standard industry methods.

OTHER PRODUCT NOTES: This declaration is based on pre-cured breakdown of the material ingredients. A mixture of chemicals called binder is applied on the stone wool fibers to adhere them together. The liquid binder turns into solid after chemicals react during the curing process. Therefore, hazard warnings on the HPD might not be applicable as the physical state of a chemical changes during the curing process.

STONE WOOL, BIOSOLUBLE

ID: 65997-17-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-08-21 6:57:55

#: 95.0000 - 100.0000

GreenScreen: LT-UNK

RC: PreC

NANO: No

SUBSTANCE ROLE: Structure component

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: Stone wool products produced by ROCKWOOL are continually monitored and are in fulfilment of the CLP regulation Annex VI Note Q conditions (stone wool can also be referenced by the EC Number: 926-099-9).

The pre-consumer recycled content comes primarily from recycled slag.

The percent by weight of the substance is disclosed as a range to protect the product's formulation.

SYRUPS, HYDROLYZED STARCH

ID: 8029-43-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-08-21 6:57:55

#: 0.0000 - 5.0000

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: Forms part of the binder which adheres the fibres in the final product.

The percent by weight of the substance is disclosed as a range to protect the product's formulation.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Toxnot Chemical Hazard Screening Library** HAZARD SCREENING DATE: **2021-01-18 18:58:58**

%: **0.0000 - 1.0000** GreenScreen: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dedusting**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: A de-duster oil used to control and reduce dust. The de-duster oil is considered proprietary by the manufacturer.

The percent by weight of the substance is disclosed as a range to protect the product's formulation.

UREA

ID: **57-13-6**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-08-21 6:57:55**

%: **0.0000 - 0.1000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
EYE	GHS - New Zealand	Eye irritation category 2

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals Antimicrobials

SUBSTANCE NOTES: Forms part of the binder which adheres the fibres in the final product.

The percent by weight of the substance is disclosed as a range to protect the product's formulation.

SULFAMIC ACID, MONOAMMONIUM SALT

ID: **7773-06-0**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-08-21 6:57:56**

#: 0.0000 - 0.1000

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials

SUBSTANCE NOTES: Forms part of the binder which adheres the fibres in the final product.

The percent by weight of the substance is disclosed as a range to protect the product's formulation.

AMMONIUM PHOSPHINATE

ID: **7803-65-8**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-08-21 6:57:55**

#: 0.0000 - 0.1000

GreenScreen: **NoGS**

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
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Forms part of the binder which adheres the fibres in the final product.

The percent by weight of the substance is disclosed as a range to protect the product's formulation.

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: Milton, Ontario, Canada and Marshall County, Mississippi, USA CERTIFICATE URL: https://spot.ul.com/main-app/products/catalog/?keywords=rockwool CERTIFICATION AND COMPLIANCE NOTES: AFB evo™ is compliant under both the classroom and office scenario.	ISSUE DATE: 2017-09-08 EXPIRY DATE: 2023-08-30	CERTIFIER OR LAB: UL Environment
VOC CONTENT	Formaldehyde Free	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Milton, Ontario, Canada and Marshall County, Mississippi, USA CERTIFICATE URL: https://spot.ul.com/main-app/products/catalog/?keywords=rockwool CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2017-09-08 EXPIRY DATE: 2024-05-30	CERTIFIER OR LAB: UL Environment
LCA	Environmental Product Declaration (EPD)	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Milton, Ontario, Canada and Marshall County, Mississippi, USA CERTIFICATE URL: https://www.rockwool.com/siteassets/o2-rockwool/documentation/epd/rockwool-stone-wool-environmental-product-declaration-epd.pdf# CERTIFICATION AND COMPLIANCE NOTES: The environmental impact reference product was SAFE'n'SOUND®. To calculate product-specific environmental impacts of the product covered by this HPD, apply the relevant scaling factor found on page 3 of the EPD (as well as the environmental impact factor for faced materials, if applicable, which can be found in the Annex of the EPD).	ISSUE DATE: 2019-07-17 EXPIRY DATE: 2024-06-17	CERTIFIER OR LAB: UL Environment
BIOBASED CONTENT	USDA Certified Biobased	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Milton, Ontario, Canada and Marshall County, Mississippi, USA CERTIFICATE URL: https://www.biopreferred.gov/BioPreferred/faces/catalog/Catalog.xhtml CERTIFICATION AND COMPLIANCE NOTES: AFB evo™ exceeds the minimum USDA-certified biobased content for the “Loose-Fill and Batt Insulation” category.	ISSUE DATE: 2021-03-02 EXPIRY DATE:	CERTIFIER OR LAB: United States Department of Agriculture

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

MANUFACTURER INFORMATION

MANUFACTURER: ROCKWOOL Inc.
ADDRESS: 8024 Esquesing Line
 Milton Ontario L9T 6W3, Canada
WEBSITE: rockwool.com

CONTACT NAME: Alejandra Nieto
TITLE: Technical Manager - Sustainability & Research
PHONE: 1-800-265-6878
EMAIL: alejandra.nieto@rockwool.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

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U 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, and Best Practices for Hazard Screening on the HPDC website (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 for compliance with the HPD standard noted.