Unfaced Fiberglass Batt, Wrap and Blanket Insulation Acrylic Binder by Saint Gobain

Health Product Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 29902
CLASSIFICATION: 07 21 00 Thermal Insulation
PRODUCT DESCRIPTION: This HPD is for Saint Gobain - CertainTeed Insulation Unfaced Fiber Glass Batt and Blanket with Acrylic Binder manufactured in Athens, GA and Kansas City KS. CertainTeed's Insulation is intended for use in residential, commercial and HVAC construction as thermal and acoustical insulation in ceilings, walls, floors, and ducts. CertainTeed's Unfaced Insulation batts and blankets are an easy, cost-effective method to help conserve energy in residential and commercial new construction, remodeling and re-insulation projects.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
- ○ Nested Materials Method
- ◉ Basic Method

Threshold Disclosed Per
- ○ Material
- ◉ Product

Threshold Level
- ○ 100 ppm
- ◉ 1,000 ppm
- ○ Per GHS SDS
- ○ Other

Residuals/Impurities Evaluation
- ◉ Completed
- ○ Partially Completed
- ○ Not Completed

Explanation(s) provided :
- ◉ Yes ○ No

For all contents above the threshold, the manufacturer has:

Characterized ◉ Yes ○ No
Provided weight and role.

Screened ◉ Yes ○ No
Provided screening results using HPDC-approved methods.

Identified ○ Yes ◉ No
Provided name and CAS RN or other identifier.

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

UNFACED FIBERGLASS BATT, WRAP AND BLANKET INSULATION ACRYLIC BINDER [QUARTZ BM-1 | CAN | | MAM | GEN GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) LT-UNK | FELDSPAR LT-UNK | MAM SODIUM CARBONATE LT-UNK | EYE | SKI | SODIUM TETRABORATE PENTAHYDRATE LT-1 | REP | MUL | EYE | MAM DOLOMITE NoGS UNDISCLOSED LT-UNK | SKI | EYE UNDISCLOSED LT-UNK | MUL LIME BM-2 | SKI | | MAM | EYE CALCIUM CARBONATE BM-3 | EYE | UNDISCLOSED NoGS UNDISCLOSED LT-UNK | SKI | EYE HYDROGENATED STARCH HYDROLYSATE LT-UNK | MUL UNDISCLOSED LT-P1 | MUL MANGANESE DIOXIDE BM-1 | EYE | | MAM | GEN | REP UNDISCLOSED LT-UNK | SKI | EYE]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-1, LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All raw materials have been declared and screened through the HPD Builder tool at the 1000 ppm threshold. All residuals and impurities have been evaluated and noted within the 1000 ppm threshold reporting level. The raw material range is based on content percent from raw material suppliers and the multiple family of products that are represented through this HPD.

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: UL/GreenGuard Gold Certified
VOC emissions: UL/GreenGuard Gold Certified
VOC emissions: UL/GreenGuard Gold Certified

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: 2022-09-16
PUBLISHED DATE: 2022-09-16
EXPIRY DATE: 2025-09-16

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

UNFACED FIBERGLASS BATT, WRAP AND BLANKET INSULATION ACRYLIC BINDER

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: All raw materials have been declared and screened through the HPD Builder tool at the 1000 ppm threshold. All residuals and impurities have been evaluated and noted within the 1000 ppm threshold reporting level.

OTHER PRODUCT NOTES: The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 10:59:58**

%: **10.0000 - 60.0000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
	EC - CEPA DSL	Persistent
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Due to the potential hazards of this material, the material is carefully added in accordance to all PPE requirements of the raw material manufacturer. Once the material is processed, the human health hazards which are respirable are no longer of concern. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD. The range of the ingredient is dependent on the availability of recycled cullet.

GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)

ID: **65997-17-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 10:59:58**

%: **5.0000 - 55.0000** GreenScreen: **LT-UNK** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	EC - CEPA DSL	Persistent

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex V listing due to intrinsic safety
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: RC certificates are available. Pre RC is from off-spec flat glass in window manufacturing process and factory damaged auto glass. Post RC is from auto glass replacement. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

FELDSPAR

ID: 68476-25-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 10:59:59**

%: **0.0000 - 15.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: All raw materials have been declared and screened through the HPD Builder tool at the 1000 ppm threshold. All residuals and impurities have been evaluated and noted within the 1000 ppm threshold reporting level. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

SODIUM CARBONATE

ID: 497-19-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 10:59:59**

%: **5.0000 - 12.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
	EC - CEPA DSL	Persistent
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

SODIUM TETRABORATE PENTAHYDRATE

ID: **12179-04-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:00**

%: **3.5000 - 8.5000** GreenScreen: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
REP	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
REP	EU - SVHC Authorisation List	Toxic to reproduction - Prioritized for listing
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]
REP	GHS - Australia	H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]
REP	EU - GHS (H-Statements) Annex 6 Table 3-1	H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]
EYE	GHS - New Zealand	Eye irritation category 2
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
REP	GHS - New Zealand	Reproductive toxicity category 2

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Yellow Triangle - best available in class but some hazard profile issues
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
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals Priority for Inclusion in the Living Building Challenge Red List

SUBSTANCE NOTES: Due to the potential hazards of this material, the material is carefully added in accordance to all PPE requirements of the raw material manufacturer. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

DOLOMITE

ID: **16389-88-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:01**

%: **0.0000 - 5.5000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:02**

%: **0.0000 - 4.5000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
EYE	GHS - New Zealand	Serious eye damage category 1

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: This product has two suppliers for the binder. Each supplier has disclosed chemical information to be screened but requested it be held as CBI. All raw materials have been declared and screened through the HPD Builder tool at the 1000 ppm threshold. All residuals and impurities have been evaluated and noted within the 1000 ppm threshold reporting level. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:02**

%: **0.0000 - 3.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 1 - Low Hazard to Waters

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This product has two suppliers for the binder. Each supplier has disclosed chemical information to be screened but requested it be held as CBI. All raw materials have been declared and screened through the HPD Builder tool at the 1000 ppm threshold. All residuals and impurities have been evaluated and noted within the 1000 ppm threshold reporting level. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

LIME

ID: **1305-78-8**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:03**

%: **0.0000 - 3.0000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
	EC - CEPA DSL	Persistent
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
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	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: All raw materials have been declared and screened through the HPD Builder tool at the 1000 ppm threshold. All residuals and impurities have been evaluated and noted within the 1000 ppm threshold reporting level. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

CALCIUM CARBONATE

ID: **471-34-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:04**

%: **0.0000 - 2.5000** GreenScreen: **BM-3** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE	GHS - New Zealand	Eye irritation category 2
	EC - CEPA DSL	Persistent

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:05**

%: **0.0000 - 2.5000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions

SUBSTANCE NOTES: This product has two suppliers for the binder. Each supplier has disclosed chemical information to be screened but requested it be held as CBI. All raw materials have been declared and screened through the HPD Builder tool at the 1000 ppm threshold. All residuals and impurities have been evaluated and noted within the 1000 ppm threshold reporting level. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:07**

%: **0.0000 - 2.5000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
EYE	GHS - New Zealand	Serious eye damage category 1

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: This product has two suppliers for the binder. Each supplier has disclosed chemical information to be screened but requested it be held as CBI. All residuals and impurities have been evaluated and noted within the 1000 ppm threshold reporting level. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

HYDROGENATED STARCH HYDROLYSATE

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:08**

%: **1.0000 - 1.5000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 1 - Low Hazard to Waters

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: All raw materials have been declared and screened through the HPD Builder tool at the 1000 ppm threshold. All residuals and impurities have been evaluated and noted within the 1000 ppm threshold reporting level. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:08**

%: **0.2000 - 0.3000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This product has two suppliers for the binder. Each supplier has disclosed chemical information to be screened but requested it be held as CBI. All raw materials have been declared and screened through the HPD Builder tool at the 1000 ppm threshold. All residuals and impurities have been evaluated and noted within the 1000 ppm threshold reporting level. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

MANGANESE DIOXIDE

ID: **1313-13-9**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:09**

%: **0.0800 - 0.1200** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE	GHS - New Zealand	Eye irritation category 2
	EC - CEPA DSL	Persistent
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
MAM	GHS - New Zealand	Acute inhalation toxicity category 2
REP	GHS - New Zealand	Reproductive toxicity category 2
REP	GHS - New Zealand	Effects on or via lactation

ADDITIONAL LISTINGS	AGENCY	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
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products

SUBSTANCE NOTES: Due to the potential hazards of this material, the material is carefully added in accordance to all PPE requirements of the raw material manufacturer. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

UNDISCLOSED ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-16 11:00:10**

%: **0.0000 - 0.0250** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	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]
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 - Japan	H317 - May cause an allergic skin reaction [Skin sensitizer - Category 1]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This product has two suppliers for the binder. Each supplier has disclosed chemical information to be screened but requested it be held as CBI. All raw materials have been declared and screened through the HPD Builder tool at the 1000 ppm threshold. All residuals and impurities have been evaluated and noted within the 1000 ppm threshold reporting level. The raw material range is based on content percent from a range of manufacturing locations, raw material suppliers and the multiple family of products that are represented through this HPD.

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 — **UL/GreenGuard Gold Certified**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Athens, GA and Kansas City KS, testing for next certificate underway
CERTIFICATE URL:

ISSUE DATE: 2021-07-06
EXPIRY DATE: 2022-07-06

CERTIFIER OR LAB: UL laboratories

CERTIFICATION AND COMPLIANCE NOTES: UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

VOC EMISSIONS — **UL/GreenGuard Gold Certified**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: InsulPure Duct Wrap - FSK Athens and Kansas City, testing for next certificate is underway
CERTIFICATE URL:

ISSUE DATE: 2021-07-06
EXPIRY DATE: 2022-07-06

CERTIFIER OR LAB: UL laboratories

CERTIFICATION AND COMPLIANCE NOTES: InsulPure Duct Wrap - FSK 249999-420 Certificate Number

VOC EMISSIONS — **UL/GreenGuard Gold Certified**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Athens and Kansas City, testing for next certificate is underway
CERTIFICATE URL:

ISSUE DATE: 2021-07-06
EXPIRY DATE: 2022-07-06

CERTIFIER OR LAB: UL laboratories

CERTIFICATION AND COMPLIANCE NOTES: InsulPure Building Insulation - Unfaced 249993-420 Certificate Number

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

All CertainTeed Insulation products should be handled and installed per the requirements of the manufacturers SDS. PPE requirements are listed on the SDS and website https://www.certainteed.com/building-insulation/
This HPD fails Option 2 under LEED prescreen as the reporting limit of the sourced material is proprietary at the 100 ppm threshold. For complete Sustainability information please see website https://saintgobain.ecomedes.com/

Proper care and caution has been noted in the production process and safe handling of material can be found on the SDS in the link below. For complete Safety and EHS information on any and all CertainTeed Insulation Products please see https://www.certainteed.com/buildinginsulation/.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Saint Gobain**
ADDRESS: **20 Moores Road**
Malvern PA 19335, United States
WEBSITE: **https://www.certainteed.com/building-insulation/**

CONTACT NAME: **Elyse Inglese**
TITLE: **Technical Product Manager**
PHONE: **+1 610-893-5367 or 1-800-233-8990**
EMAIL: **Elyse.Inglese@saint-gobain.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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic
PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

GreenScreen (GS)

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

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.