

CLASSIFICATION: 09 29 00.00 Finishes Gypsum Board

PRODUCT DESCRIPTION: This HPD covers the following CertainTeed 1/2" Type C, 5/8" Type C, 1/2" Abuse Resistant Type C, , 5/8" Veneer Plaster Base Type C, 5/8" Exterior Soffit Type C. Type C gypsum boards are fire resistant gypsum boards, designed to meet fire resistance ratings, when used in tested fire resistant assemblies.

Section 1: Summary

Nested 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
 Per OSHA MSDS
 Other

Residuals/Impurities

Residuals/Impurities
Considered in 2 of 2 Materials

Explanation(s) provided
for Residuals/Impurities?

- Yes No

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No

% weight and role provided for all substances.

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No

All substances disclosed by Name (Specific or Generic) and 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

GYPSUM CORE BOARD TYPE C | CALCIUM SULFATE DIHYDRATE LT-UNK
HYDROXYETHYL STARCH 130/0.4 [USAN] NoGS
CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK
OXIDIZED CORN STARCH LT-UNK
STARCH, ACID-HYDROLYZED, 2-HYDROXYPROPYL ETHER NoGS
VERMICULITE NoGS
SILICA FUME LT-P1 | CAN
QUARTZ LT-1 | CAN
SODIUM POLYNAPHTHALENESULFONATE LT-P1 | PBT
GLUCOSE BM-3
NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT LT-P1 |
PAPER FACING TYPE C GYPSUM BOARD | CELLULOSE PULP NoGS
STARCH LT-UNK (3-CHLORO-2-HYDROXYPROPYL)TRIMETHYLAMMONIUM
CHLORIDE MODIFIED STARCH LT-P1 | MUL]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All materials have been screened through the HPD tool. All residuals and impurities have been considered and noted when applicable.

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

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER: GreenCircle Certified

VERIFICATION #: 6H3-9419

SCREENING DATE: 2020-04-07

PUBLISHED DATE: 2020-04-07

EXPIRY DATE: 2023-04-07



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

GYPSUM CORE BOARD TYPE C

#: 95.50 - 98.50

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Naturally occurring impurities and residuals in the gypsum are evaluated through quality checks, data is available at the manufacturing locations.

OTHER MATERIAL NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate raw material suppliers.

CALCIUM SULFATE DIHYDRATE

ID: 10101-41-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-04-07

#: 91.50 - 95.00

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Core of the Panel

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate raw material suppliers.

HYDROXYETHYL STARCH 130/0.4 [USAN]

ID: 9005-27-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-04-07

#: 0.20 - 0.70

GS: NoGS

RC: None

NANO: No

ROLE: Binder of Core Board

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thicknesses as well as ranges from alternate suppliers.

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-04-07

#: 0.20 - 0.60

GS: LT-UNK

RC: None

NANO: No

ROLE: Core Board Additive

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thicknesses as well as ranges from alternate suppliers.

OXIDIZED CORN STARCH

ID: 65996-62-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-07**

#: **0.10 - 0.60**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Binder for Core Board**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thicknesses as well as ranges from alternate suppliers.

STARCH, ACID-HYDROLYZED, 2-HYDROXYPROPYL ETHER

ID: 68584-86-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-07**

#: **0.00 - 0.70**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Binder for Core Board**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thicknesses as well as ranges from alternate suppliers.

VERMICULITE

ID: 1318-00-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-07**

#: **0.00 - 7.50**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Fire Retardant Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thicknesses as well as ranges from alternate suppliers.

SILICA FUME

ID: 69012-64-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-07**

#: **0.00 - 0.20**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Core Board Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

GHS - Australia

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thicknesses as well as ranges from alternate suppliers.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-07**

%: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Quartz is a naturally occurring impurity found within all gypsum rock. The levels are monitored by the product sites and are well below the 1000 ppm threshold but in the spirit of transparency and full disclosure we note this impurity in our HPD.

SODIUM POLYNAPHTHALENESULFONATE

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-07**

%: **0.00 - 0.13** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Core Board Additive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

SUBSTANCE NOTES: Due to the potential human health impact of this material, R&D is actively working on a replacement for this raw material. Trials are on-going. The raw material range is based on content percent from a range of manufacturing locations and board thicknesses as well as ranges from alternate suppliers.

GLUCOSE

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-07**

%: **0.00 - 1.00** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Additive for Core Board**

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

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thicknesses as well as ranges from alternate suppliers.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-07**

%: **0.00 - 0.50**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Additive for the Core Board**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Due to the potential human health concerns with this material R&D is actively seeking alternatives and has made successful changes at some production sites. The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers.**

PAPER FACING TYPE C GYPSUM BOARD

%: **2.50 - 5.75**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: **Naturally occurring impurities and residuals in the paper are considered and evaluated through QA checks.**

OTHER MATERIAL NOTES: **The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers.**

CELLULOSE PULP

ID: 65996-61-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-04-07**%: **30.00 - 93.00**GS: **NoGS**RC: **UNK**NANO: **No**ROLE: **Paper Facing**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **The information on the paper facing is derived from the manufacturer and the range of raw materials they have provided.****STARCH**

ID: 9005-25-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-04-07**%: **0.10 - 9.00**GS: **LT-UNK**RC: **UNK**NANO: **No**ROLE: **Binder for Paper Facing**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **The information on the paper facing is derived from the manufacturer and the range of raw materials they have provided.****(3-CHLORO-2-HYDROXYPROPYL)TRIMETHYLAMMONIUM CHLORIDE MODIFIED STARCH**

ID: 56780-58-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-04-07**%: **0.10 - 1.50**GS: **LT-P1**RC: **UNK**NANO: **No**ROLE: **Paper Facing Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE**German FEA - Substances Hazardous to Waters****Class 2 - Hazard to Waters**SUBSTANCE NOTES: **The information on the paper facing is derived from the manufacturer and the range of raw materials they have provided.**

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: **All Type C - Certificate # 24757-420**

CERTIFICATE URL:

https://www.certainteed.com/resources/Type%20C_GREENGUARD%20Gold%20Certification%2024757-420.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2003-03-11	2020-06-11	UL

CERTIFICATION AND COMPLIANCE NOTES: **UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Please refer to <https://www.certainteed.com/drywall/sustainability> for the most accurate certifications as they are renewed annually.**

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 Gypsum wallboard products should be handled and installed per the requirements of the manufacturers SDS. This HPD fails Option 2 under LEED prescreen as the reporting limit of the sourced material is proprietary at the 100 ppm threshold.

MANUFACTURER INFORMATION

MANUFACTURER: **Saint Gobain**
ADDRESS: **20 Moores Road**
Malvern PA 19355, United States
WEBSITE: **<https://www.certainteed.com/drywall/>**

CONTACT NAME: **Mitchell Schittler**
TITLE: **Gypsum Marketing Technical Services Manager**
PHONE: **610-893-6000**
EMAIL: **mitchell.l.schittler@saint-gobain.com**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms**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.