

Sonus/Strata/Stratum Perforated Acoustical Gypsum Panels

by GypSorb, LLC

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 09 84 00 Finishes: Fixed Sound-Absorptive Panels

PRODUCT DESCRIPTION: GypSorb is a leader in perforated acoustical gypsum panels. Our panels are designed to meet both the demand for acoustical perfection and a professional look and feel to a room. GypSorb acoustic absorbing gypsum panels consume large quantities of ambient sound energy, creating significantly quieter atmospheres for any space where the listening or learning environment is critical. An architectural dream, suitable for most any ceiling and wall configuration or specification. This HPD covers Sonus, Strata, and Stratum Perforated Acoustical Gypsum Panels. May also include the following MasterFormats: 09 51 00 Finishes: Acoustical Ceilings; 09 84 00 Finishes: Acoustic Room Components.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	
☐ Nested Materials Method ☒ Basic Method	☐ 100 ppm ☒ 1,000 ppm ☐ Per GHS SDS ☐ Per OSHA MSDS ☐ Other	☒ Considered ☐ Partially Considered ☐ Not Considered 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 One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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

SONUS/STRATA/STRATUM PERFORATED ACOUSTICAL GYPSUM PANELS [CALCIUM SULFATE DIHYDRATE LT-UNK CELLULOSE, MICROCRYSTALLINE NoGS STARCH LT-UNK PROPRIETARY INGREDIENT LT-UNK LIMESTONE, CALCIUM CARBONATE LT-UNK WATER BM-4 POLYVINYL ACETATE (PVA) LT-UNK POLYETHYLENE LT-UNK POLYPROPYLENE LT-UNK CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK PORTLAND CEMENT LT-P1 | END | CAN SODIUM POLYNAPHTHALENESULFONATE LT-P1 | PBT POLY(OXY-1,2-ETHANEDIYL), ALPHA-SULFO-OMEGA-HYDROXY-, C8-10-ALKYL ETHERS, AMMONIUM SALTS LT-UNK KAOLIN, CALCINED LT-UNK QUARTZ LT-1 | CAN]

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:

Substance not identified by name and CAS number is held as proprietary by our supplier. However, all substances have been characterized (include percent by weight and role in product) and screened for hazards.

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: CDPH Standard Method – Not tested

Multi-attribute: Environmental Product Declaration (EPD) by IBU (Arbeitsgemeinschaft Umweltverträgliches Bauprodukt E.V.(AUB)

CONSISTENCY WITH OTHER PROGRAMS

Third Party Verified?

☐ Yes
☒ No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2024-05-06

PUBLISHED DATE: 2024-05-08

EXPIRY DATE: 2029-05-06



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

SONUS/STRATA/STRATUM PERFORATED ACOUSTICAL GYPSUM PANELS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Best Practices for Considering Residuals and Impurities in HPD Open Standard 2.1.1 were followed. Residuals and Impurities found to be present (or potentially present) at or above the declared inventory threshold that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed in the Content Inventory of the product.

OTHER PRODUCT NOTES: Percent by weight of substances reported as range to account for various perforation pattern options available, and due to the variability of supplier disclosures.

CALCIUM SULFATE DIHYDRATE

ID: 10101-41-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-06		
%: 86.40 - 94.20	GS: LT-UNK	RC: PreC	NANO: No	ROLE: Substrate
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
No hazards found				
SUBSTANCE NOTES: Gypsum panel core. Supplier has confirmed approximately 83% pre-consumer recycled content, from synthetic or by-product gypsum.				

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-06		
%: 2.30 - 5.40	GS: NoGS	RC: PostC	NANO: No	ROLE: Substrate
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
No hazards found				
SUBSTANCE NOTES: Gypsum panel paper facers; acoustical scrim. US EPA - DfE SCIL - Green Circle - Verified Low Concern. Gypsum panel supplier confirms nearly 100% recycled paper used for face paper.				

STARCH

ID: 9005-25-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-06		
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%: **1.80 - 2.90** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Gypsum panel core and paper facers. US EPA - DfE SCIL - Green Circle - Verified Low Concern.

PROPRIETARY INGREDIENT

ID: **Undisclosed**

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

HAZARD SCREENING DATE: **2024-05-06**

%: **0.10 - 0.20**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Scavenger**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Gypsum panel core. Substance is proprietary to supplier. Greenscreen score and hazards as reported in supplier's HPD.

LIMESTONE, CALCIUM CARBONATE

ID: **1317-65-3**

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

HAZARD SCREENING DATE: **2024-05-06**

%: **0.10 - 0.50**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Gypsum panel paper facers. US EPA - DfE SCIL - Green Circle - Verified Low Concern.

WATER

ID: **7732-18-5**

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

HAZARD SCREENING DATE: **2024-05-06**

%: **0.10 - 1.00**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **Solvent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Acoustical scrim adhesive. GreenScreen Benchmark assessment score of BM-4 provided by HPD Builder Tool.

POLYVINYL ACETATE (PVA)

ID: **9003-20-7**

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

HAZARD SCREENING DATE: **2024-05-06**

%: **0.10 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
No hazards found		
SUBSTANCE NOTES: Acoustical scrim adhesive.		

POLYETHYLENE

ID: 9002-88-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-06		
%: 0.10 - 0.20	GS: LT-UNK	RC: None	NANO: No	ROLE: Substrate
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
No hazards found				
SUBSTANCE NOTES: Acoustical scrim.				

POLYPROPYLENE

ID: 9003-07-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-06		
%: 0.10 - 0.20	GS: LT-UNK	RC: None	NANO: No	ROLE: Resin Binder
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
No hazards found				
SUBSTANCE NOTES: Acoustical scrim. US EPA - DfE SCIL - Green Circle - Verified Low Concern.				

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-06		
%: 0.10 - 1.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Reinforcement
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
No hazards found				
SUBSTANCE NOTES: Gypsum panel core.				

PORTLAND CEMENT

ID: 65997-15-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-06		
%: 0.01 - 1.00	GS: LT-P1	RC: None	NANO: No	ROLE: Reinforcement

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
SUBSTANCE NOTES: Gypsum panel core.		

SODIUM POLYNAPHTHALENESULFONATE		ID: 9084-06-4
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-06
%: 0.01 - 1.00	GS: LT-P1	RC: None NANO: No ROLE: Set Accelerator
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans
SUBSTANCE NOTES: Gypsum panel core. May also include CAS number 36290-04-7 (LT-P1, PBT).		

POLY(OXY-1,2-ETHANEDIYL), ALPHA-SULFO-OMEGA-HYDROXY-, C8-10-ALKYL ETHERS, AMMONIUM SALTS		ID: 68891-29-2
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-06
%: 0.01 - 0.10	GS: LT-UNK	RC: None NANO: No ROLE: Foaming Agent
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	
SUBSTANCE NOTES: Gypsum panel core.		

KAOLIN, CALCINED		ID: 92704-41-1
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-06
%: 0.01 - 1.00	GS: LT-UNK	RC: None NANO: No ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	
SUBSTANCE NOTES: Gypsum panel paper facers.		

QUARTZ	ID: 14808-60-7
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%: **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	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: **Possible impurity of raw materials, as per supplier SDS.**

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

CDPH Standard Method – Not tested

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2024-03-20**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **N/A**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

MULTI-ATTRIBUTE

Environmental Product Declaration (EPD) by IBU (Arbeitsgemeinschaft Umweltverträgliches Bauprodukt E.V.(AUB))

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2024-08-20**

EXPIRY DATE: **2029-08-19**

CERTIFIER OR LAB: **IBU - Institut Bauen und Umwelt e.V.**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: <https://gypsorb.com/wp-content/uploads/2019/02/EPD-GYPSORB.pdf>

CERTIFICATION AND COMPLIANCE NOTES: Declaration number: EPD-BVG20140078-1AG1-EN. Product Category Rules: Plasterboard, 07.2014 (PCR tested and approved by the SVR). Declared product / Declared unit: Perforated plasterboard in accordance with /DIN EN 14190/ 1m2 (8.5 kg). Scope: The EPD applies for all member companies of the Bundesverband der Gipsindustrie e.V. in accordance with the current list of members on www.gips.de and for products manufactured in Germany. The LCA considers specific information supplied by the manufacturers and suppliers of components exclusively for the cradle-to-gate production stage.

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.

SUSPENSION SYSTEM

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Gypsorb StreamLine Framing / Metric Drywall Grid with Gypsorb Blocking Assembly recommended for installation.

GYPSORB READY MIX JOINT FILLER

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Joint filler recommended for installation of Sonus and Strata Perforated Acoustical Gypsum Panels.

JOINT COMPOUND

HPD URL: <https://www.hpd-collaborative.org/hpd-public-repository/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Traditional Ready Mix or Set Type Compound is recommended for installation. Several manufacturers of joint compounds have published HPDs available on the HPD Public Repository.

JOINT TAPE

HPD URL: <https://www.hpd-collaborative.org/hpd-public-repository/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Joint tape is recommended for installation of Stratum Perforated Acoustical Gypsum Panels. Several manufacturers have published HPDs available for Joint Tape on the HPD Public Repository.



Section 5: General Notes



MANUFACTURER INFORMATION

MANUFACTURER: **Gypsorb, LLC**

ADDRESS: **1143 Northwest 52nd Street**

Seattle WA 98107, USA

WEBSITE: **www.GypSorb.com**

CONTACT NAME: **Ken Huber**

TITLE: **General Manager**

PHONE: **206.571.5710**

EMAIL: **Ken@gypsorb.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.