

CLASSIFICATION: 09 51 00 Acoustical Ceilings

PRODUCT DESCRIPTION: This HPD covers the following suspended sound absorbing ceilings: Hygiene Solo Baffle, Solo Circle XL, Solo Ellipse, Solo Freedom, Solo Heptagon, Solo Hexagon, Solo Octagon, Solo Pentagon, Solo Rectangle, Solo Square, Solo Triangle. Solo products are free hanging units with sound absorption properties. The panels are manufactured from high density glass wool, with a painted surface on both sides. This family is a group of products with similar materials and varying proportions.

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
- Per OSHA MSDS
- Other

Residuals/Impurities

- 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

ECOPHON SOLO FAMILY [FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT LT-UNK UREA PHENOL FORMALDEHYDE LT-UNK LIMESTONE, CALCIUM CARBONATE LT-UNK ALUMINA TRIHYDRATE BM-2 POLYACRYLIC ACID LT-UNK | CAN TITANIUM DIOXIDE LT-1 | CAN | END POLY(VINYL ALCOHOL) LT-UNK ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK KAOLIN CLAY LT-UNK | CAN POLYVINYL ACETATE (PVA) LT-UNK GLASSY SODIUM PHOSPHATE LT-UNK SODIUM SULFATE LT-UNK SODIUM SULPHITE LT-P1 UREA LT-UNK HYDROXYETHYL CELLULOSE LT-P1 | END POLYDIMETHYLSILOXANES LT-P1 | PBT SULFAMIC ACID, SODIUM SALT (1:1) NoGS UNDISCLOSED BM-1 3-IODO-2-PROPYNYL BUTYLCARBAMATE BM-2 | AQU | SKI | EYE | MAM | END | MUL]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The names of some substances are undisclosed for intellectual property reasons.

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: Eurofins Indoor Air Comfort - certified product
Recycled content: Recycled content declaration
LCA: Environmental Product Declaration (EPD)

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 #: **6H3-9635**

SCREENING DATE: **2020-04-05**

PUBLISHED DATE: **2020-04-05**

EXPIRY DATE: **2023-04-05**



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

ECOPHON SOLO FAMILY

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are considered and noted when the concentration is above the disclosure threshold.

OTHER PRODUCT NOTES: The content differences between the products covered by this HPD account for less than 10% of the total mass of each product and are due to supplier's declaration.

FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-04-05

#: 76.00 - 81.00

GS: LT-UNK

RC: Both

NANO: No

ROLE: Baseboard core and facing

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The recycled content in the baseboard core made of glass fiber is around 70% (self-declared). The percentage range of the substance is based on supplier's declaration.

UREA PHENOL FORMALDEHYDE

ID: 25104-55-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-04-05

#: 5.00 - 8.40

GS: LT-UNK

RC: None

NANO: No

ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

LIMESTONE, CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-04-05

#: **3.30 - 6.70**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

ALUMINA TRIHYDRATE

ID: **21645-51-2**

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

HAZARD SCREENING DATE: **2020-04-05**

#: **2.40 - 4.60**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

POLYACRYLIC ACID

ID: **9003-01-4**

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

HAZARD SCREENING DATE: **2020-04-05**

#: **0.60 - 2.30**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The paint used on the facing contains a polymer from the Acrylic Resin family, a group of polymers derived from acrylic acid. However, as there is no generic CAS number for this polymers family, the Polyacrylic Acid has been declared as an approximation. The percentage range of the substance is based on supplier's declaration.

TITANIUM DIOXIDE

ID: **13463-67-7**

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

HAZARD SCREENING DATE: **2020-04-05**

#: **0.60 - 2.30**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The paint used on the facing contains Titanium dioxide. Titanium dioxide is classified as a suspected carcinogen (cat. 2) by inhalation according to the CLP European Regulation. However, according to our supplier, there are no reported cases of cancer in the paint and coating industry when used in a liquid matrix such as a paint or ink. The percentage range of the substance is based on supplier's declaration.

POLY(VINYL ALCOHOL)

ID: 9002-89-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-05		
%: 0.30 - 0.60	GS: LT-UNK	RC: None	NANO: No	ROLE: Preservative
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

ETHYLENE VINYL ACETATE POLYMER (EVA)

ID: 24937-78-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-05		
%: 0.10 - 0.25	GS: LT-UNK	RC: None	NANO: No	ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

KAOLIN CLAY

ID: 1332-58-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-05		
%: 0.10 - 0.25	GS: LT-UNK	RC: None	NANO: No	ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

POLYVINYL ACETATE (PVA)

ID: 9003-20-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-05**

#: **0.10 - 0.20** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

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

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

GLASSY SODIUM PHOSPHATE

ID: 68915-31-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-05**

#: **0.08 - 0.20** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

SODIUM SULFATE

ID: 7757-82-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-05**

#: **0.08 - 0.50** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

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

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

SODIUM SULPHITE

ID: 7757-83-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-05**

#: **0.08 - 0.20** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Binder**

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

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

UREA

ID: 57-13-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-05		
%: 0.07 - 0.20	GS: LT-UNK	RC: None	NANO: No	ROLE: Binder

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

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

HYDROXYETHYL CELLULOSE

ID: 9004-62-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-05		
%: 0.07 - 0.10	GS: LT-P1	RC: None	NANO: No	ROLE: Additive

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

POLYDIMETHYLSILOXANES

ID: 63148-62-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-05		
%: 0.04 - 0.09	GS: LT-P1	RC: None	NANO: No	ROLE: Binder

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

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

SULFAMIC ACID, SODIUM SALT (1:1)

ID: 13845-18-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-05		
%: 0.04 - 0.20	GS: NoGS	RC: None	NANO: No	ROLE: Binder

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

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-05		
%: 0.03 - 0.05	GS: BM-1	RC: None	NANO: No	ROLE: Water repellent

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

SUBSTANCE NOTES: The name of this substance is undisclosed for intellectual property reasons, but has been third-party verified. The percentage range of the substance is based on supplier's declaration.

3-iodo-2-propynyl butylcarbamate

ID: **55406-53-6**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-05		
%: 0.01 - 0.02	GS: BM-2	RC: None	NANO: No	ROLE: Preservative

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: The percentage range of the substance is based on supplier's declaration.

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

Eurofins Indoor Air Comfort - certified product

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2019-** EXPIRY DATE: **2024-** CERTIFIER OR LAB: **Eurofins A/S**
APPLICABLE FACILITIES: **Saint-Gobain Ecophon AB,** **10-10** **10-10**
Hyllinge, Sweden
CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Eurofins Gold Indoor Air Comfort. Certificate available on demand. The contents of these certificates have been third-party verify.

RECYCLED CONTENT

Recycled content declaration

CERTIFYING PARTY: **Self-declared** ISSUE DATE: **2018-** EXPIRY DATE: CERTIFIER OR LAB: **Ecophon**
APPLICABLE FACILITIES: **Saint-Gobain Ecophon AB,** **10-17** **Saint-Gobain AB**
Hyllinge, Sweden
CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: The recycled content in glass fiber is around 70% in the baseboard core. Considering the different components in the ceiling tiles in this HPD, the minimum recycled content is 59%.

LCA

Environmental Product Declaration (EPD)

CERTIFYING PARTY: **Third Party** ISSUE DATE: EXPIRY DATE: CERTIFIER OR LAB: **Martin**
APPLICABLE FACILITIES: **Saint-Gobain Ecophon AB, Hyllinge, Sweden** **2019-01-30** **2024-01-28** **Erlandsson, IVL**
CERTIFICATE URL: **Swedish Environmental**
<https://gryphon4.environdec.com/system/data/files/6/15286/S-P-01448%20EPD%20Ecophon%20Solo%20Family%20-%20Tech.pdf> **Research Institute**

CERTIFICATION AND COMPLIANCE NOTES: Environmental Product Declaration for Ecophon Solo™ /Tech (S-P-01448). Included in this EPD: Solo Square/Tech, Solo Rectangle/Tech, Solo Circle/Tech, Solo Ellipse/Tech, Solo Octagon/Tech, Solo Heptagon/Tech, Solo Hexagon/Tech, Solo Pentagon/Tech, Solo Triangle/Tech, Solo Baffle/Tech.

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.

ACCESSORIES

HPD URL: <https://www.ecophon.com/en/products/Free-hanging-units-and-baffles/Solo/>

Ceiling tiles are part of a system including numerous accessories with assembly variations depending on the project requirements. To get the exhaustive list of accessories, please contact the Ecophon technical team or have a look at M-sketch (installation method) under each product webpage.

Section 5: General Notes

The content differences between the products covered by this HPD account for less than 10% of the total mass of each product.



MANUFACTURER INFORMATION

MANUFACTURER: **Saint Gobain**

ADDRESS: **Ecophon Saint-Gobain AB**

Ytervägen 1

Hyllinge Sweden 265 75, Sweden

WEBSITE: **<https://www.ecophon.com/en/>**

CONTACT NAME: **Daniel Olausson**

TITLE: **Sustainability coordinator**

PHONE: **+46 42 17 99 00**

EMAIL: **daniel.olausson@ecophon.se**

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

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

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 (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

NoGS Unknown (no data on List Translator Lists)

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.