

CLASSIFICATION: 09 30 13 Ceramic Tiling 07 44 23 Ceramic-Tile-Faced Panels

PRODUCT DESCRIPTION: NEOLITH® belongs to a new and revolutionary product category born in the last decade with the aim of providing an innovative response to most demanding architectural and design demands. NEOLITH® does not belong to what is traditionally known as “ceramics” or “porcelain”, it is rather an extreme evolution of these ones to the extent of creating a new kind of surface previously inexistent. NEOLITH® makes part and is pioneer of the Sintered Stones. It's performance has been tried, tested and trusted, Neolith's combination of realism, high performance and versatile formats make it a go-to material for architects, designers, specifiers and fabricators. Neolith is the optimum surfacing material for both indoor and outdoor applications. From a skyscraper façade to a kitchen worktop, Neolith's physical and mechanical characteristics deliver ultimate performance, unmatched beauty and long-term value.

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

NEOLITH [FELDSPAR LT-UNK | RES CLAY NoGS KAOLIN CLAY LT-UNK | CAN MAGNESIUM SILICATE (PRIMARY CASRN IS 1343-88-0) LT-UNK ALUMINUM OXIDE BM-2 | RES QUARTZ LT-1 | CAN UNDISCLOSED LT-P1 | SKI UNDISCLOSED BM-1 UNDISCLOSED LT-UNK MICA LT-UNK ZIRCON (ZR(SIO4)) LT-UNK WOLLASTONITE LT-UNK UNDISCLOSED NoGS UNDISCLOSED NoGS UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | RES | CAN | GEN]

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:

This disclosure includes ingredients at the 1,000 ppm threshold following HPD Standard. Exact ingredient percentages are withheld as THESIZE SURFACES, S.L. Intellectual Property.

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

Other: ANSI/NSF 51-2012 Food equipment materials

Recycled content: ISO 14021:1999 Environmental labels and declarations

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes

PREPARER: Self-Prepared

VERIFIER:

SCREENING DATE: 2019-10-25

PUBLISHED DATE: 2020-04-03



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

NEOLITH

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Impurities have been considered according to MSDS from suppliers.

OTHER PRODUCT NOTES:

FELDSPAR

ID: 68476-25-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-10-25

#: 47.00 - 70.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Fluxing agent

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Percentage given for different models. Specific hazard is not expected on finished product.

CLAY

ID: 1302-87-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-10-25

#: 4.00 - 37.00

GS: NoGS

RC: None

NANO: No

ROLE: Raw material, plasticizer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentage given for different models.

KAOLIN CLAY

ID: 1332-58-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-10-25

#: 0.00 - 29.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Plasticizer

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

SUBSTANCE NOTES: Percentage given for different models. Specific hazard is not expected on finished product.

MAGNESIUM SILICATE (PRIMARY CASRN IS 1343-88-0)

ID: 864969-33-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-10-25		
#: 0.00 - 8.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Fluxing agent
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: Percentage given for different models.

ALUMINUM OXIDE

ID: 1344-28-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-10-25		
#: 0.00 - 4.00	GS: BM-2	RC: None	NANO: No	ROLE: Opacifying
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		

SUBSTANCE NOTES: Percentage given for different models. Specific hazard is not expected on finished product.

QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-10-25		
#: 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: Specific hazard is not expected on finished product. However, manipulation (polishing, cutting...) can release quartz as dust. Please, follow Neolith's MSDS recommendations and those included on our technical manuals.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-25**

#: **0.00 - 5.20**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Pigments and additives**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Percentage given for different models. Specific hazard is not expected on finished product.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-25**

#: **0.00 - 0.30**

GS: **BM-1**

RC: **None**

NANO: **No**

ROLE: **Pigments and additives**

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

SUBSTANCE NOTES: Percentage given for different models.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-25**

#: **0.00 - 0.30**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Pigments and additives**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentage given for different models.

MICA

ID: **12001-26-2**

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

HAZARD SCREENING DATE: **2019-10-25**

#: **0.00 - 6.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Fluxing agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentage given for different models. Specific hazard is not expected on finished product.

ZIRCON (ZR(SiO4))

ID: **14940-68-2**

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

HAZARD SCREENING DATE: **2019-10-25**

#: **0.00 - 9.50**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Opacifying Agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentage given for different models.

WOLLASTONITE

ID: **13983-17-0**

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

HAZARD SCREENING DATE: **2019-10-25**

#: **0.00 - 5.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Plasticizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentage given for different models.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-10-25**

#: **0.00 - 0.40**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Pigments and additives**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: Percentage given for different models.		

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-10-25	
%: 0.00 - 0.30	GS: NoGS	RC: None	NANO: No ROLE: Pigment and additives
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Percentage given for different models.			

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-10-25	
%: 0.00 - 0.20	GS: LT-UNK	RC: None	NANO: No ROLE: Pigment and additives
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Percentage given for different models.			

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-10-25	
%: 0.00 - 0.40	GS: LT-1	RC: None	NANO: No ROLE: Pigment and additives
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
RESPIRATORY	AOEC - Asthmagens	Asthmagens (G) - generally accepted	
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man	
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization	
GENE MUTATION	MAK	Germ Cell Mutagen 3a	
SUBSTANCE NOTES: Percentage given for different models. Specific hazard is not expected on finished product.			

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**

ISSUE DATE: **2019-10-25**

EXPIRY DATE:

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

<https://www.neolith.com/en/zona-de-descargas/>

CERTIFICATION AND COMPLIANCE NOTES:

OTHER

ANSI/NSF 51-2012 Food equipment materials

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-10-25**

EXPIRY DATE:

CERTIFIER OR LAB: **NSF**

APPLICABLE FACILITIES: **See certified models in:**

<https://www.nsf.org/certified-products-systems>

CERTIFICATE URL:

<https://www.neolith.com/en/zona-de-descargas/>

CERTIFICATION AND COMPLIANCE NOTES:

RECYCLED CONTENT

ISO 14021:1999 Environmental labels and declarations

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2020-01-08**

EXPIRY DATE:

CERTIFIER OR LAB: **SGS**

APPLICABLE FACILITIES: **See recycled content at:**

<https://www.neolith.com/en/zona-de-descargas/#certificados>

CERTIFICATE URL:

<https://www.neolith.com/en/zona-de-descargas/>

CERTIFICATION AND COMPLIANCE NOTES:

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.

PRODUCT RECOMENDATIONS

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

All product recomendations (adhesives, cleaning products, maintenance...) are based on Neolith's experience. HPD, if available, has to be looked for each product and manufacturer.





MANUFACTURER INFORMATION

MANUFACTURER: **THESIZE SURFACES, S.L.**
 ADDRESS: **P.I. CAMÍ FONDO, SUPOI-8, C/ DELS
 IBERS N°31**
ALMAZORA CASTELLON 12550, España
 WEBSITE: **www.neolith.com**

CONTACT NAME: **Moisés García**
 TITLE: **Environmental Department**
 PHONE: **964652233**
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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 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.