

CLASSIFICATION: 06 61 19 Quartz surfacing fabrication; 12 36 61.19 Quartz agglomerate countertops

PRODUCT DESCRIPTION: Diresco Quartz consists of resin, natural quartz particles and colorants and are manufactured in the form of slabs. Diresco Quartz is a high performance agglomerated stone with excellent properties, mostly used as kitchen tops. Long-lasting and Greenguard Gold certified as a low emitting material. Diresco Quartz does not promote the growth of mildew and all colours are NSF/ANSI Standard 51 certified for the strictest level-Food Zone. Exposure to any hazards is not present in the finished form of Diresco Quartz as the listed ingredients are inert within the finished form.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

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.

Threshold Disclosed Per

- Material
- Product

Explanation(s) provided for Residuals/Impurities?
 Yes No

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

DIRESCO QUARTZ [QUARTZ (PRIMARY CASRN IS 14808-60-7) LT-1 | CAN
POLYESTER NoGS CRISTOBALITE (PRIMARY CASRN IS 14464-46-1) LT-1 |
CAN TITANIUM DIOXIDE (PRIMARY CASRN IS 13463-67-7) LT-1 | CAN |
END IRON OXIDE LT-UNK FERRIC OXIDE, YELLOW (PRIMARY CASRN IS
51274-00-1) LT-UNK]

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

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

INVENTORY AND SCREENING NOTES:
/

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: GreenGuard - Indoor Air Quality Certified
VOC emissions: GreenGuard - Gold (previously Children & Schools)
Material content migration: ANSI/NSF 51-2012 Food equipment materials

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-09-27

PUBLISHED DATE: 2019-09-30

EXPIRY DATE: 2022-09-27



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

DIRESKO QUARTZ

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: The listed ingredients are inert in the finished form of Diresko Quartz.

OTHER PRODUCT NOTES: Diresko Quartz, in its final form as a slab, is non-toxic and non-allergic to humans.

QUARTZ (PRIMARY CASRN IS 14808-60-7)

ID: 87347-84-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-27

?: 80.00 - 93.00

GS: LT-1

RC: None

NANO: No

ROLE: Filler

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: Percentage rate is given due to various colors available. Quarz-related hazards are not expected when this substance is bound in the matrix of our finished product.

In the finished form Diresko Quartz is non-toxic. Granite, marble, concrete and Quartz agglomerated stones have silicosis concerns during cutting, polishing and grinding in the absence of water. These activities must be done in the presence of water.

POLYESTER

ID: 113669-95-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-27

%: 7.00 - 15.00

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: Unsaturated polyester resin is used as a binder in Diresco Quartz. After polymerisation, the final Diresco Quartz product is non-toxic and non-allergic. Diresco uses Resins based upon biological ingredients.

CRISTOBALITE (PRIMARY CASRN IS 14464-46-1)

ID: 1317-48-2

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

HAZARD SCREENING DATE: **2019-09-27**

%: 0.00 - 65.00

GS: LT-1

RC: None

NANO: No

ROLE: Filler

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 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: Percentage rate is given due to various colors available. Cristoballite-related hazards are not expected when this substance is bound in the matrix of our finished product.

In the finished form Diresco Quartz is non-toxic. Granite, marble, concrete and Quartz agglomerated stones have silicosis concerns during cutting, polishing and grinding in the absence of water. These activities must be done in the presence of water.

TITANIUM DIOXIDE (PRIMARY CASRN IS 13463-67-7)

ID: 946525-05-9

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

HAZARD SCREENING DATE: **2019-09-27**

%: 0.00 - 2.50

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: /

IRON OXIDE

ID: 1332-37-2

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

HAZARD SCREENING DATE: **2019-09-27**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **pigment**

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

SUBSTANCE NOTES: /

FERRIC OXIDE, YELLOW (PRIMARY CASRN IS 51274-00-1)

ID: 131462-81-2

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

HAZARD SCREENING DATE: **2019-09-27**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **pigment**

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

SUBSTANCE NOTES: /

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

GreenGuard - Indoor Air Quality Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2013-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

04-19

04-19

Environment

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Certification is renewed annually.**

VOC EMISSIONS

GreenGuard - Gold (previously Children & Schools)

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2013-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

04-19

04-19

Environment

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Certification is renewed annually.**

MATERIAL CONTENT MIGRATION

ANSI/NSF 51-2012 Food equipment materials

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2007-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **NSF**

APPLICABLE FACILITIES: **All**

11-20

11-20

International

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **All colors of Diresco Quartz are NSF/ANSI Standard 51 certified for the strictest level-food zone. Certification is 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

Diresco Quartz consists of resin, natural quartz particles and colorants and are manufactured in the form of slabs. Diresco Quartz is a high performance agglomerated stone with excellent properties, mostly used as kitchen tops. Long-lasting and Greenguard Gold certified as a low emitting material. Diresco Quartz does not promote the growth of mildew and all colours are NSF/ANSI Standard 51 certified for the strictest level-Food Zone. Exposure to any hazards is not present in the finished form of Diresco Quartz as the listed ingredients are inert within the finished form.



MANUFACTURER INFORMATION

MANUFACTURER: **Diresco**
 ADDRESS: **Industrieweg-Noord 1134**
Oudsbergen Limburg 3660, Belgium
 WEBSITE: **www.diresco.be**

CONTACT NAME: **Bjorn Christis**
 TITLE: **Engineer**
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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 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.