

HPD UNIQUE IDENTIFIER: 27034

CLASSIFICATION: 12 36 00 Countertops

PRODUCT DESCRIPTION: Technistone® quartz surfaces are high-quality, nonporous, composite materials, built from hard, inorganic, polishable granulates, compactly bound together with a binder and a filler and colored with various pigments. Technistone® quartz surfaces are smooth, resistant, and are available in various sizes for a wide range of applications.

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 ☐ Other	Residuals/Impurities ☒ Considered ☐ Partially Considered ☐ Not Considered Explanation(s) provided for Residuals/Impurities? ☒ Yes ☐ No	<i>All Substances Above the Threshold Indicated Are:</i> Characterized ☒ Yes Ex/SC ☐ Yes ☐ No <i>% weight and role provided for all substances except SC substances characterized according to SC guidance.</i> Screened ☒ Yes Ex/SC ☐ Yes ☐ No <i>All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.</i> Identified ☐ Yes Ex/SC ☐ Yes ☒ No <i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>
Threshold Disclosed Per ☐ Material ☒ Product			

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
GROUP 2: QUARTZ SURFACES | SC:QUARTZ (SILICONE DIOXIDE)
Not Screened **POLYESTER** NoGS **SILICIC ACID, POTASSIUM SALT** LT-
P1 **3-TRIMETHOXSILYLPROPYL METHACRYLATE** LT-UNK **TERT-BUTYL 3,5,5-TRIMETHYLPEROXYHEXANOATE** LT-P1 | MUL **COBALT OCTOATE** LT-1 | RES | CAN | MUL | GEN | REP **UNDISCLOSED** LT-1 | CAN | PBT | MUL | GEN | MAM **IRON OXIDE** BM-1 | CAN **NICKEL RUTILE YELLOW** LT-1 | CAN | RES **POLYETHYLENE TEREPHTHALATE (PET)** LT-UNK **UNDISCLOSED** LT-P1 | MUL **SC:NATURAL STONE** Not Screened **SILICIC ACID, ALUMINUM SODIUM SALT, SULFURIZED** NoGS **C.I. PIGMENT BLUE 15** BM-3 **5,12-DIHYDROQUINO(2,3-B)ACRIDINE-7,14-DIONE** LT-UNK **2-NAPHTHALENECARBOXAMIDE, N,N'-(2-CHLORO-1,4-PHENYLENE) BIS[4-[(2,5-DICHLOROPHENYL)AZO]-3-HYDROXY-** LT-UNK **CHROMIUM IRON OXIDE** LT-P1 | SKI **FERRATE(4-), HEXAKIS(CYANO-C)-, AMMONIUM IRON(3++) (1:1:1), (OC-6-11)-** LT-UNK **CARBON BLACK** BM-1 | CAN **IRON HYDROXIDE OXIDE YELLOW** LT-UNK **FERRIC OXIDE** BM-1 | CAN **MICA** LT-UNK **TITANIUM DIOXIDE** LT-1 | CAN | END **FELDSPAR** LT-UNK | RES **BBOT** BM-1 | PBT **UNDISCLOSED** LT-UNK **XYLENES** BM-1 | END | MUL | REP | SKI **UNDISCLOSED** LT-UNK **UNDISCLOSED** BM-1 | END | DEV | MUL | REP | SKI | PHY | MAM **ETHYLBENZENE** BM-1 | END | SKI | CAN | REP | PHY | MAM **BIOTITE** NoGS **MANGANESE (II) OXIDE** LT-P1 **SILICA, AMORPHOUS** BM-1 | CAN |

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No
INVENTORY AND SCREENING NOTES:
Special conditions applied: GeologicalMaterial

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

This HPD covers the following products: Brilliant (Black, Grey, White, Arabesco, Galaxy), Crystal (Steel), Elegance Eco (Ash, Nev, Zen), Gobi (Black, Urban), Noble (Concrete Grey, Metropoli), Pearl (Delta, Lava, Rocca), Starlight (Black, Brown, Grey, Lyra, Ruby, Sand, White, Ice), Taurus Black. These products differ only in granulate mixture, composed of geological material (quartz, feldspar, natural stone, and metallic salt), and binder and pigments variances below 10%.

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: California Specification 013580
VOC emissions: Indoor Advantage Gold - Indoor Air Quality Certified to

SCS-EC 10.3-2014 v4.0
Recycled content: Minimum 40% Pre-Consumer Recycled Mirror and Glass Content
Recycled content: Minimum 30% Pre-Consumer Recycled Mirror and Glass Content

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: 2022-01-10

PUBLISHED DATE: 2022-01-10
EXPIRY DATE: 2025-01-10

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

GROUP 2: QUARTZ SURFACES

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered based on lab testing, and are only displayed when they are potentially greater than 100 ppm.

OTHER PRODUCT NOTES: The quartz surface with colored glass is composed of a core granulate mixture (quartz, feldspar, natural stone, and metallic salt), a binder component (polyester resin and additives) and various pigments. The percent ranges account for the variation in the granulate mixture and colorant options for the Technistone Quartz Surfaces. There is no provision for any risk associated with the finished engineered stone Technistone. Once the slab is produced and fabricated these concerns are no longer present in the finish product as the material is inert and safety. Technistone products are tested and certified according NSF/ANSI 51 standard as fully useful for direct food contact.

SC:QUARTZ (SILICONE DIOXIDE)

ID: SC:GeoMat

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: Not Screened

?: 37.3000 - 91.0000

GS: Not Screened

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES:

Version: SCGeoMats/2019-06-20

Origin: Czech Republic, Italy, Turkey, India, Brazil, Canada, Scotland

Typical Composition: This disclosure does not provide typical composition.

Potential presence of toxic metals: This disclosure does not provide information on the potential presence of toxic metals.

Presence of Radioactive Elements: This disclosure does not provide radioactive elements which may be found in certain geological materials.
None

POLYESTER

ID: 113669-95-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-01-10 7:37:23

?: 8.1000 - 12.4000

GS: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: none

SILICIC ACID, POTASSIUM SALT

ID: 10006-28-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-01-10 7:37:23

?: 1.6000 - 47.2000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

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

3-TRIMETHOXYSILYLPROPYL METHACRYLATE

ID: 2530-85-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:24		
%: 0.0930 - 0.1900	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES: none				

TERT-BUTYL 3,5,5-TRIMETHYLPEROXYHEXANOATE

ID: 13122-18-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:24		
%: 0.0500 - 0.0900	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Initiator
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
SUBSTANCE NOTES: none				

COBALT OCTOATE

ID: 136-52-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:25		
%: 0.0070 - 0.0170	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Catalyst

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
GEN	MAK	Germ Cell Mutagen 3a
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
REP	GHS - Australia	H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]
REP	GHS - Korea	H360 - May damage fertility or the unborn child [Category 1(1B)]
CAN	GHS - Korea	H350 - May cause cancer [Carcinogenicity - Category 1]
SUBSTANCE NOTES: none		

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:25		
?: 0.0070 - 0.0170	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Catalyst

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
GEN	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
GEN	EU - Annex VI CMRs	Mutagen - Category 1B
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
GEN	GHS - Australia	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]
GEN	EU - GHS (H-Statements) Annex 6 Table 3-1	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]
SUBSTANCE NOTES: it is a solvent of cobalt octoate		

IRON OXIDE

ID: **1317-61-9**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:26		
#: 0.0060 - 0.1550	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
SUBSTANCE NOTES: none				

NICKEL RUTILE YELLOW

ID: **8007-18-9**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-08-18 8:00:24		
#: 0.0000 - 0.0200	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	CA EPA - Prop 65	Carcinogen
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: none

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-08-18 8:00:24		
?: 0.0000 - 0.0500	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: none				

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-08-18 8:00:24		
?: 0.0000 - 0.0400	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
SUBSTANCE NOTES: it is a part of mixture - dispersing agent				

SC:NATURAL STONE

ID: **SC:GeoMat**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
%: 0.0000 - 36.5000	GS: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
Hazard Screening not performed				
SUBSTANCE NOTES: Version: SCGeoMats/2019-06-20 Origin: Czech Republic, Italy, Norway Typical Composition: This disclosure does not provide typical composition. Potential presence of toxic metals: This disclosure does not provide information on the potential presence of toxic metals. Presence of Radioactive Elements: This disclosure does not provide radioactive elements which may be found in certain geological materials. None				

SILICIC ACID, ALUMINUM SODIUM SALT, SULFURIZED

ID: 101357-30-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-08-18 8:00:23		
%: 0.0000 - 0.0710	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: none				

C.I. PIGMENT BLUE 15					ID: 147-14-8
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2020-08-18 8:00:23		
%: 0.0000 - 0.0330	GS: BM-3	RC: None	NANO: No	SUBSTANCE ROLE: Pigment	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: none					

5,12-DIHYDROQUINO(2,3-B)ACRIDINE-7,14-DIONE					ID: 1047-16-1
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2020-08-18 8:00:23		
%: 0.0000 - 0.0330	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: none					

2-NAPHTHALENECARBOXAMIDE, N,N'-(2-CHLORO-1,4-PHENYLENE) BIS[4-[(2,5-DICHLOROPHENYL)AZO]-3-HYDROXY-					ID: 5280-78-4
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2020-08-18 8:00:23		
%: 0.0000 - 0.1160	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: none					

CHROMIUM IRON OXIDE					ID: 12737-27-8
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2020-08-18 8:00:22		
%: 0.0000 - 0.0830	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
SKI	MAK		Sensitizing Substance Sh - Danger of skin sensitization		
SUBSTANCE NOTES: none					

FERRATE(4-), HEXAKIS(CYANO-C)-, AMMONIUM IRON(3++) (1:1:1), (OC-6-11)-

ID: 25869-00-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-08-18 8:00:22		
%: 0.0000 - 0.0960	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: none				

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-08-18 8:00:22		
%: 0.0000 - 0.1330	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	US CDC - Occupational Carcinogens		Occupational Carcinogen	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
CAN	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route	
CAN	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources	
SUBSTANCE NOTES: none				

IRON HYDROXIDE OXIDE YELLOW

ID: 20344-49-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-08-18 8:00:22		
%: 0.0000 - 0.1490	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: none				

FERRIC OXIDE

ID: 1309-37-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:33		
%: 0.0000 - 0.1490	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
SUBSTANCE NOTES: none				

MICA

ID: 12001-26-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-01-10 7:37:33		
%: 0.0000 - 0.3000		GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: none					

TITANIUM DIOXIDE

ID: **13463-67-7**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:34			
%: 0.0000 - 1.4800		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	US CDC - Occupational Carcinogens		Occupational Carcinogen		
CAN	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route		
CAN	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources		
CAN	MAK		Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
CAN	MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
SUBSTANCE NOTES: none					

FELDSPAR

ID: **68476-25-5**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:34	
%: 0.0000 - 23.9000		GS: LT-UNK	RC: None NANO: No SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced
SUBSTANCE NOTES: none			

BBOT

ID: **7128-64-5**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:34			
%: 0.0000 - 0.0170		GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Brightener
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
PBT	ChemSec - SIN List		PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)		
SUBSTANCE NOTES: none					

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:35		
%: 0.0000 - 0.0400	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: it is a part of mixture - dispersing agent				

XYLENES

ID: 1330-20-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:35		
%: 0.0000 - 0.0400	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
REP	GHS - Japan		H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]	
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1		H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]	
SUBSTANCE NOTES: mixture - dispersing agent				

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:36		
?: 0.0000 - 0.0400	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: it is a part of mixture - dispersing agent				

UNDISCLOSEDID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:36		
?: 0.0000 - 0.0400	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
DEV	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
DEV	CA EPA - Prop 65	Developmental toxicity
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REP	CA EPA - Prop 65	Reproductive Toxicity - Female
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]
DEV	EU - GHS (H-Statements) Annex 6 Table 3-1	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]
SUBSTANCE NOTES: it is a part of mixture - dispersing agent		

ETHYLBENZENE

ID: 100-41-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:37				
%: 0.0000 - 0.0400		GS: BM-1		RC: None	NANO: No	SUBSTANCE ROLE: Dispersant
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS		
END		TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
SKI		MAK		Sensitizing Substance Sh - Danger of skin sensitization		
CAN		CA EPA - Prop 65		Carcinogen		
CAN		MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
CAN		IARC		Group 2b - Possibly carcinogenic to humans		
REP		GHS - Japan		H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]		
REP		GHS - Japan		H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A]		
PHY		EU - GHS (H-Statements) Annex 6 Table 3-1		H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]		
MAM		EU - GHS (H-Statements) Annex 6 Table 3-1		H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]		
SUBSTANCE NOTES: mixture - dispersing agent						

BIOTITE

ID: 1302-27-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:37		
%: 0.0000 - 0.3000	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: none				

MANGANESE (II) OXIDE

ID: 1344-43-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:38		
%: 0.0000 - 0.1000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: none				

SILICA, AMORPHOUS

ID: 7631-86-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-10 7:37:38		
%: 0.0000 - 0.0400	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	GHS - Japan		H350 - May cause cancer [Carcinogenicity - Category 1A]	
CAN	GHS - Australia		H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]	
SUBSTANCE NOTES: none				

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		California Specification 013580	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2010-06-	EXPIRY DATE:	CERTIFIER OR LAB: Tile Council of North America (TCNA)
APPLICABLE FACILITIES: Technistone's Engineered Stone	17		
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Technistone's Engineered Stone is in compliance with the tolerable levels outlined in California Specification 01350 and can contribute towards achieving the following green building credits: LEED, IEQ Credit 4.3: Low-Emitting Materials-Flooring Systems; ICC 700-2008, 901.6: Pollutant Source Control-Hard-Surface Flooring; and CHPS, EQ2.2: Low-Emitting Materials.			

VOC EMISSIONS		Indoor Advantage Gold - Indoor Air Quality Certified to SCS-EC 10.3-2014 v4.0	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2021-06-	EXPIRY DATE: 2022-	CERTIFIER OR LAB: SCS Global Services
APPLICABLE FACILITIES: Conforms to California Department of Public Health Standard Method for Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Test Chambers (CA 1350) v1.2-2017 (effective January, 2017) for the school classroom, private office, and single family residence parameters (flooring).	10	06-09	
CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide?q=technistone			
CERTIFICATION AND COMPLIANCE NOTES: Indoor Advantage Gold - Indoor Air Quality Certified to SCS-EC 10.3-2014 v4.0			

RECYCLED CONTENT		Minimum 40% Pre-Consumer Recycled Mirror and Glass Content	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2021-10-	EXPIRY DATE: 2022-	CERTIFIER OR LAB: SCS Global Services
APPLICABLE FACILITIES: For the following products: Starlight Ruby, Starlight White, Starlight Ice, Pearl Delta, Pearl Lava, Pearl Rocca	01	09-30	
CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide?q=technistone			
CERTIFICATION AND COMPLIANCE NOTES: Conforms to the SCS Recycled Content Standard V7-0			

RECYCLED CONTENT		Minimum 30% Pre-Consumer Recycled Mirror and Glass Content	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2021-10-	EXPIRY DATE: 2022-	CERTIFIER OR LAB: SCS Global Services
APPLICABLE FACILITIES: For the following products: Starlight Grey, Starlight Lyra, Starlight Sand, Brilliant Grey, Brilliant Black, Brilliant Galaxy, Elegance Eco Nev, Elegance Eco Ash, Elegance Eco Zen	01	09-30	
CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide?q=technistone			
CERTIFICATION AND COMPLIANCE NOTES: Conforms to the SCS Recycled Content Standard V7-0			

RECYCLED CONTENT		Minimum 20% Pre-Consumer Recycled Mirror and Glass Content	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2021-10-	EXPIRY DATE: 2022-	CERTIFIER OR LAB: SCS Global Services
APPLICABLE FACILITIES: For the following products: Brilliant White, Brilliant Arabesco, Gobi Black	01	09-30	
CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide?q=technistone			
CERTIFICATION AND COMPLIANCE NOTES: Conforms to the SCS Recycled Content Standard V7-0			

RECYCLED CONTENT**Minimum 70% Pre-Consumer Recycled Mirror, Filler, and Glass Content**

CERTIFYING PARTY: Third Party	ISSUE DATE: 2021-10-01	EXPIRY DATE: 2022-09-30	CERTIFIER OR LAB: SCS Global Services
APPLICABLE FACILITIES: For the following products: Starlight Black			
CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide?q=technistone			
CERTIFICATION AND COMPLIANCE NOTES: Conforms to the SCS Recycled Content Standard V7-0			

OTHER**ANSI/NSF 51-2012 Food equipment materials**

CERTIFYING PARTY: Third Party	ISSUE DATE: 2021-12-20	EXPIRY DATE:	CERTIFIER OR LAB: NSF International
APPLICABLE FACILITIES: Hradec Králové, Czech Republic; See listing for Technistone products covered.			
CERTIFICATE URL: https://info.nsf.org/Certified/Food/Listings.asp?Company=1L100&Standard=051			
CERTIFICATION AND COMPLIANCE NOTES: NSF International Certifies that the product appearing on the Listing conform to the requirements of NSF/ANSI Standard 51 - Food Equipment Materials.			

+ 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

Technistone® is a leading producer of quartz surfaces designed for high quality kitchens and bathrooms with more than 20 years of history. Headquartered in the heart of Europe, Technistone® continues its tradition of quartz surface production in the Czech Republic and is best known for the production of high-performance, reliable, and hygienic quartz slabs, tiles and surfaces. There is no provision for any risk associated with the finished engineered stone Technistone. Once the slab is produced and fabricated these concerns are no longer present in the finish product as the material is inert and safety. Technistone products are tested and certified according NSF/ANSI 51 standard as fully useful for direct food contact.

MANUFACTURER INFORMATION

MANUFACTURER: Technistone, s.r.o.
ADDRESS: Bratri Stefanu 1070
Hradec Kralove Region of Bohemia 500 03, Czech Republic
WEBSITE: www.technistone.com

CONTACT NAME: Petra Dušková
TITLE: Head of Laboratory
PHONE: 420495714751
EMAIL: duskova@technistone.cz

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	NoGS No GreenScreen.

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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.