

CLASSIFICATION: 06 61 16.00 WOOD, PLASTICS, AND COMPOSITES: SOLID SURFACING FABRICATIONS

PRODUCT DESCRIPTION: DEKTON® IS A REVOLUTIONARY ULTRA-COMPACT SURFACE THAT IMAGINES A NEW CONCEPT IN THE WORLD OF DESIGN AND ARCHITECTURE. MADE BY SOPHISTICATED RAW MATERIALS USED IN THE PRODUCTION OF GLASS, PORCELAIN AND QUARTZ SURFACES, DEKTON HAS UNIQUE CHARACTERISTICS AND INFINITE APPLICATION POSSIBILITIES - INCLUDING COUNTERTOPS, FLOORING, CLADDING AND FACADES FOR BOTH INDOOR AND OUTDOOR USE. DEKTON EMPLOYS EXCLUSIVE SINTERIZED PARTICLE TECHNOLOGY, A HIGH TECH PROCESS WHICH REPRESENTS AN ACCELERATED VERSION OF THE METAMORPHIC CHANGE THAT NATURAL STONE UNDERGOES WHEN SUBJECTED TO HIGH TEMPERATURES AND PRESSURE OVER THOUSANDS OF YEARS. ZERO POROSITY AND LACK OF THE MICRO-DEFECTS THAT CAUSE TENSION OR WEAK SPOTS DIFFERENTIATE DEKTON FROM OTHER SURFACING PRODUCTS. THIS HPD COVERS ALL COLORS AND TEXTURES OF DEKTON SURFACES.

## Section 1: Summary

### CONTENT INVENTORY

Threshold per material	Residuals and impurities considered in 1 of 1 materials	Based on the selected Content Inventory Threshold:	
<input type="radio"/> 100 ppm	<input checked="" type="radio"/> see Section 2:	Characterized.....	<input checked="" type="radio"/> <input type="radio"/>
<input checked="" type="radio"/> 1,000 ppm	Material Notes	Are the Percent Weight and Role provided for all substances?	Yes No
<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> see Section 5:	Screened.....	<input checked="" type="radio"/> <input type="radio"/>
<input type="radio"/> Per OSHA MSDS	General Notes	Are all substances screened using Priority Hazard Lists with results disclosed?	Yes No
<input type="radio"/> Other		Identified.....	<input type="radio"/> <input checked="" type="radio"/>
		Are all substances disclosed by Name (Specific or Generic) and Identifier?	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.

Number of Greenscreen BM-4/BM3 contents..... 1  
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1  
Nanomaterial..... No

### MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE

DEKTON SOLID SURFACE [ CLAY UNK FELDSPAR LT-UNK | RES  
KAOLIN CLAY LT-UNK | CAN WATER BM-4 QUARTZ LT-1 | CAN  
SODIUM SILICATE LT-UNK ENAMEL LT-1 | CAN | MUL | SKI  
CHLORITE GROUP MINERALS UNDISCLOSED UNK UNDISCLOSED  
LT-UNK SILICA, AMORPHOUS LT-UNK TALC LT-UNK | CAN  
DOLOMITE UNK ZIRCONIUM SILICATE LT-UNK UNDISCLOSED LT-  
UNK | RES UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK  
UNDISCLOSED LT-UNK | RES UNDISCLOSED UNK UNDISCLOSED  
LT-UNK UNDISCLOSED LT-UNK | MAM UNDISCLOSED LT-UNK ]

### INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.0, and discloses all known hazards associated with substances present at or above 1000 parts per million (ppm) in the product, along with the role and percent by weight for each substance. Therefore, this HPD qualifies for the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1).

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

### CERTIFICATIONS AND COMPLIANCE

VOC emissions: GreenGuard Gold  
VOC emissions: GreenGuard

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: November 3, 2016	EXPIRY DATE*: November 3, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: November 3, 2016	* or within 3 months of significant change in product contents
*See HPDC website for details			



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### DEKTON SOLID SURFACE

#: 100.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: Residuals have been considered based on Supplier MSDS/SDS for individual ingredients. Efforts are being made to obtain additional information on potential residuals from our Suppliers, and will be included in future versions of this HPD.

#### CLAY

ID: 1302-87-0

#: 31.8000 - 37.0000

GS: UNK

RC: None

NANO: NO

ROLE: Raw Material, Plasticizer

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Percent range given due to various colors and finishes available. May also include CASRN 1302-78-9 (Bentonite; LT-UNK; No warnings found on HPD Priority lists).

#### FELDSPAR

ID: 68476-25-5

#: 9.2000 - 38.1000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Fluxing Agent

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Percent range given due to various colors and finishes available. Form-specific hazard not expected to apply when substance is bound in the matrix of the finished product.

#### KAOLIN CLAY

ID: 1332-58-7

#: 7.9000 - 24.8000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Plasticizer

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Identified on the US EPA Safer Chemicals Ingredient List. Percent range given due to various colors and finishes available. Hazards not expected to apply once substance is bound in matrix of the finished product.

**WATER**

ID: 7732-18-5

%: 0.6900 - 0.9700	GS: BM-4	RC: None	NANO: NO	ROLE: Solvent, Diluent
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

**QUARTZ**

ID: 14808-60-7

%: Impurity/Residual	GS: LT-1	RC: None	NANO: NO	ROLE: Impurity/Residual
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen (form-specific or based on limited exposure pathways)
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

SUBSTANCE NOTES: Potential impurity of fluxing agents (Feldspar). Form-specific hazards not expected to apply once substance is bound in matrix of the finished product.

**SODIUM SILICATE**

ID: 1344-09-8

%: 0.1800 - 0.2900	GS: LT-UNK	RC: None	NANO: NO	ROLE: Deflocculating Agent
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Alternate Deflocculating Agent may include Polyacrylic Acid, Sodium Salt: CASRN 9003-04-7 (LT-UNT | No warnings found on HPD Priority lists).

**ENAMEL**

ID: MIXTURE

%: 0.0000 - 0.3600	GS: LT-1	RC: None	NANO: NO	ROLE: Ceramic Enamel
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

CANCER	EU - R-phrases	R45 - May cause cancer
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: This ingredient is a component of mat products only; polished products do not include Enamel. This ingredient held as proprietary by the supplier; however, hazards have been disclosed for all substances known to be present in the Enamel, including those that may fall below the Content Inventory Threshold indicated. LT-1 reported is highest concern GreenScreen score; other GS scores include LT-P1, and LT-UNK.

**CHLORITE GROUP MINERALS**

ID: 1318-59-8

%: Impurity/Residual	GS:	RC: None	NANO: NO	ROLE: Impurity/Residual
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Potential residual of Fluxing Agent (Talc). Substance not currently listed in Pharos CML; this substance will be reviewed periodically, and hazards will be updated when more information becomes available.

**UNDISCLOSED**

%: 0.0000 - 0.3300	GS: UNK	RC: None	NANO: NO	ROLE: Pigments and Related Additives
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Percent range given due to various colors and finishes available.

**UNDISCLOSED**

%: 0.0000 - 6.1800	GS: LT-UNK	RC: None	NANO: NO	ROLE: Pigments and Related Additives
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Percent range given due to various colors and finishes available.

**SILICA, AMORPHOUS**

ID: 7631-86-9

%: 0.0000 - 1.0800

GS: LT-UNK

RC: None

NANO: NO

ROLE: Pigments and Related Additives

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Percent range given due to various colors and finishes available.

**TALC**

ID: 14807-96-6

%: 0.0000 - 13.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Fluxing Agent

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Percent range given due to various colors and finishes available. Hazards not expected to apply once substance is bound in matrix of the finished product.

**DOLOMITE**

ID: 16389-88-1

%: Impurity/Residual

GS: UNK

RC: None

NANO: NO

ROLE: Impurity/Residual

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Potential impurity of Fluxing Agent (Talc).

**ZIRCONIUM SILICATE**

ID: 10101-52-7

%: 0.0000 - 19.9000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Opacifying Agent

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Percent range given due to various colors and finishes available.

UNDISCLOSED

%: 0.0000 - 1.7000      GS: LT-UNK      RC: None      NANO: NO      ROLE: Pigments and Related Additives

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

RESPIRATORY      AOEC - Asthmagens      Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Percent range given due to various colors and finishes available. Hazards not expected to apply once substance is bound in matrix of the finished product.

UNDISCLOSED

%: 0.0000 - 0.2600      GS: LT-UNK      RC: None      NANO: NO      ROLE: Pigments and Related Additives

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found      No warnings found on HPD Priority lists

SUBSTANCE NOTES: Percent range given due to various colors and finishes available.

UNDISCLOSED

%: 0.0000 - 0.2500      GS: LT-UNK      RC: None      NANO: NO      ROLE: Pigments and Related Additives

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found      No warnings found on HPD Priority lists

SUBSTANCE NOTES: Percent range given due to various colors and finishes available.

UNDISCLOSED

%: 0.0000 - 1.5400      GS: LT-UNK      RC: None      NANO: NO      ROLE: Pigments and Related Additives

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

RESPIRATORY      AOEC - Asthmagens      Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Percent range given due to various colors and finishes available. Hazards not expected to apply once substance is bound in matrix of the finished product.

UNDISCLOSED

%: 0.0000 - 4.5200      GS: UNK      RC: None      NANO: NO      ROLE: Pigments and Related Additives

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Percent range given due to various colors and finishes available.

UNDISCLOSED

%: 0.0000 - 1.1000      GS: LT-UNK      RC: None      NANO: NO      ROLE: Pigments and Related Additives

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Percent range given due to various colors and finishes available.

UNDISCLOSED

%: 0.0000 - 0.3000      GS: LT-UNK      RC: None      NANO: NO      ROLE: Pigments and Related Additives

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

SUBSTANCE NOTES: Percent range given due to various colors and finishes available. Hazards not expected to apply once substance is bound in matrix of the finished product.

UNDISCLOSED

%: 0.0000 - 0.2200      GS: LT-UNK      RC: None      NANO: NO      ROLE: Pigments and Related Additives

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

### 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**

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: All  
CERTIFICATE URL:  
[certificates.ulenvironment.com/default.aspx?id=41572&t=cs](https://certificates.ulenvironment.com/default.aspx?id=41572&t=cs)  
CERTIFICATION AND COMPLIANCE NOTES: Certificate Number: 41572-420

#### **GreenGuard Gold**

ISSUE DATE: 2009-09-27	EXPIRY DATE: 2016-09-27	CERTIFIER OR LAB: UL Environment
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#### **VOC EMISSIONS**

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: All  
CERTIFICATE URL:  
[certificates.ulenvironment.com/default.aspx?id=41572&t=gg](https://certificates.ulenvironment.com/default.aspx?id=41572&t=gg)  
CERTIFICATION AND COMPLIANCE NOTES: Certificate Number: 41572-410

#### **GreenGuard**

ISSUE DATE: 2009-09-27	EXPIRY DATE: 2016-09-27	CERTIFIER OR LAB: UL Environment
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### 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.

### Section 5: General Notes





### MANUFACTURER INFORMATION

MANUFACTURER: Cosentino SA

CONTACT NAME: Eladio Piñero González

ADDRESS: Ctra. A334 Baza-Hue?rcal Overa, km 59  
Cantoria, Almería 04850  
Spain

TITLE: Product Certifications and Patents

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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) BM-2  
Benchmark 2 (use but search for safer substitutes)

**LT-1** List Translator Likely Benchmark 1

**BM-1** Benchmark 1 (avoid - chemical of high concern)

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

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**UNK** 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

**Nano** Composed of nanoscale particles or nanotechnology

#### Declaration Level

**Self-declared** Manufacturer's self-declaration (First Party)

**Independent Lab** Manufacturer's self-declaration using results from an independent lab

**Second Party** Verification by trade association or other interested party

**Third Party** Verification by independent certifier

**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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.