

HPD UNIQUE IDENTIFIER: 27594

CLASSIFICATION: 12 36 61.19 Quartz Agglomerate Countertops

PRODUCT DESCRIPTION: Viatera® is an exceptional quartz surface solution used in a wide variety of residential and commercial applications. Containing up to 93% natural quartz, Viatera® is a superior surface option compared to natural stone. The Viatera manufacturing process delivers a surfacing material that is highly resistant to everyday wear-and-tear and stains, ensuring its long-lasting beauty and durability. Using sustainable materials and an eco-friendly manufacturing process, Viatera® is certified to NSF standards and has achieved Greenguard Gold certification. Viatera® is backed by LX Hausys’ 15-year limited warranty.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<b>Inventory Reporting Format</b> <input type="radio"/> Nested Materials Method <input checked="" type="radio"/> Basic Method	<b>Threshold Level</b> <input checked="" type="radio"/> 100 ppm <input type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Other	<b>Residuals/Impurities</b> <input checked="" type="radio"/> Considered <input type="radio"/> Partially Considered <input type="radio"/> Not Considered  <b>Explanation(s) provided for Residuals/Impurities?</b> <input checked="" type="radio"/> Yes <input type="radio"/> No	<i>All Substances Above the Threshold Indicated Are:</i> <b>Characterized</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No <i>% weight and role provided for all substances.</i> <b>Screened</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No <i>All substances screened using Priority Hazard Lists with results disclosed.</i> <b>Identified</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No <i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>
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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**  
**VIATERA® QUARTZ SURFACE [ QUARTZ BM-1 | CAN POLYESTER NoGS TRIMETHOXYSILYLPROPYL METHACRYLATE LT-UNK TERT-BUTYL PEROXYBENZOATE LT-P1 | MUL TITANIUM DIOXIDE LT-1 | CAN | END STYRENE BM-1 | END | CAN | RES | MUL | REP | SKI | EYE | MAM | DEV ]**

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 Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.2, and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished product, along with the role and percent weight.

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  
LCA: Environmental Product Declaration (EPD) by NSF  
Multi-attribute: ANSI/NSF 51-2012 Food equipment materials Management: ISO 14001:2015

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified? <input type="radio"/> Yes <input checked="" type="radio"/> No	PREPARER: Self-Prepared VERIFIER: VERIFICATION #:	SCREENING DATE: 2022-02-14 PUBLISHED DATE: 2022-02-14 EXPIRY DATE: 2025-02-14
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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](http://www.hpd-collaborative.org/hpd-2-2-standard)

VIATERA® QUARTZ SURFACE

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were “Considered”, as outlined in Emerging Best Practices. Residuals or impurities with the potential to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed, based on information provided in supplier documentation and as predicted by process chemistry (Pharos CML). Strict quality assurance procedures at raw material intake, together with sourcing from reliable supply chain partners and continuous quality control, assure that any residuals or impurities are within the limits described in the Safety Data Sheet (SDS).

OTHER PRODUCT NOTES: Viatera® consists of natural quartz particles and quartz powder blended with various colorants and captured within a polymer (polyester) resin. Viatera®, as manufactured and as used in the built environment, is a low VOC, non-toxic, and non-allergenic surfacing material. As with any such engineered material, the fabrication steps of cutting and polishing can release "respirable [breathable] silica", a known carcinogen. OSHA-compliant dust control such as wet-cutting and dust collection must be followed. This only applies to cutting, and polishing, which are primarily performed in a fabrication shop environment, but can also occur in a limited scope during installation in the field. Also see California's Proposition 65 Warning as found on the manufactured product and at <https://www.p65warnings.ca.gov/>.

QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-02-14 13:14:14

?: 88.0000 - 93.0000

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

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	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	GHS - New Zealand	6.7A - Known or presumed human carcinogens
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: Natural quartz aggregate material. Quartz is one of several compounds with warnings restricted to respirable forms (Silica, crystalline - airborne particles of respirable size). GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool.

POLYESTER

ID: 113669-95-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-02-14 13:14:15		
%: 8.0000 - 12.0000	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: Unsaturated polyester resin binder binds all materials together.				

TRIMETHOXYSILYLPROPYL METHACRYLATE

ID: 2530-85-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-02-14 13:14:15		
%: 0.2000 - 0.3000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Processing regulator
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Promotes adhesion between inorganic and organic compounds.				

TERT-BUTYL PEROXYBENZOATE

ID: 614-45-9

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2022-02-14 13:14:16</b>		
%: <b>0.1000 - 0.2000</b>		GS: <b>LT-P1</b>		RC: <b>None</b> NANO: <b>No</b> SUBSTANCE ROLE: <b>Processing regulator</b>
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
SUBSTANCE NOTES: Facilitates the polymerization process.				

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2022-02-14 13:14:16</b>		
%: <b>0.0000 - 0.2000</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
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:** Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Form-specific hazards: airborne particles of respirable size – occupational setting.

## STYRENE

ID: 100-42-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-02-14 13:14:17**

%: Impurity/Residual      GS: BM-1      RC: None      NANO: No      SUBSTANCE ROLE: Impurity/Residual

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
END	ChemSec - SIN List	Endocrine Disruption
CAN	CA EPA - Prop 65	Carcinogen
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CAN	IARC	Group 2a - Agent is probably Carcinogenic to humans
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CAN	MAK	Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels
END	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
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]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
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]
DEV	EU - GHS (H-Statements) Annex 6 Table 3-1	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]

**SUBSTANCE NOTES:** Information is not available to confirm the presence or absence of this residual monomer above the reporting threshold, so it has been included per the HPDC Polymers Special Condition Policy. GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool.

## 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 APPLICABLE FACILITIES: Adairsville, GA CERTIFICATE URL: <a href="http://certificates.ulenvironment.com/default.aspx?id=4010&amp;t=cs">http://certificates.ulenvironment.com/default.aspx?id=4010&amp;t=cs</a>		ISSUE DATE: 2007-08-13	EXPIRY DATE: 2022-08-13 CERTIFIER OR LAB: UL Environment
CERTIFICATION AND COMPLIANCE NOTES: Certification Number 4010-420. UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.			
LCA		Environmental Product Declaration (EPD) by NSF	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Adairsville, GA CERTIFICATE URL: <a href="http://info.nsf.org/Certified/Sustain/ProdCert/EPD10096.pdf">http://info.nsf.org/Certified/Sustain/ProdCert/EPD10096.pdf</a>		ISSUE DATE: 2017-04-07	EXPIRY DATE: 2022-04-07 CERTIFIER OR LAB: NSF International
CERTIFICATION AND COMPLIANCE NOTES: Declaration Number EPD10096. Reference PCR: Residential Countertops. Function Unit: 1m2 countertop. Scope: Cradle-to-Grave.			
MULTI-ATTRIBUTE		ANSI/NSF 51-2012 Food equipment materials	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Adairsville, GA CERTIFICATE URL: <a href="https://tinyurl.com/2p8frf7c">https://tinyurl.com/2p8frf7c</a>		ISSUE DATE: 2021-12-09	EXPIRY DATE: 2022-12-08 CERTIFIER OR LAB: NSF
CERTIFICATION AND COMPLIANCE NOTES: NSF/ANSI 51-2017 sets minimum public health and sanitation guidelines for materials used in the construction of commercial food equipment. These standards have been designed to meet already-established FDA regulations to promote and protect public health. NSF/ANSI 51-2017 is applicable to items intended for an assortment of food equipment applications.			
MANAGEMENT		ISO 14001:2015	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Adairsville, GA CERTIFICATE URL: <a href="https://www.world-cert.co.uk/">https://www.world-cert.co.uk/</a>		ISSUE DATE: 2007-08-13	EXPIRY DATE: 2024-09-19 CERTIFIER OR LAB: World Certification Services, Ltd.
CERTIFICATION AND COMPLIANCE NOTES: ISO 14001 is an international standard that contains the requirements for an organization's Environmental Management System (EMS). The standard follows the standard management system structure defined in Annex SL. The structure includes: Context of the organization, Leadership, Planning, Support, Operation, Performance evaluation, and Improvement.			

## 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.*

LX HAUSYS JOINT ADHESIVE	HPD URL: No HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: LX Joint Adhesive is an optional accessory that may be used for installation of Viatera® Quartz Surfaces. LX Joint Adhesive is a low-VOC product that may be used to "seam" pieces of Viatera® together to create the desired design. LX Joint Adhesive has achieved Greenguard Gold (UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings, Certification #161103-420), and complies with the requirements of South Coast Air Quality Management District (SCAQMD) Rule 1168 as revised in October 2017.	

Viatera® is produced in slab thicknesses of 2 cm and 3 cm with varying dimensions. Viatera® is rated "Class 'A'" using the generally accepted ASTM E84 flammability test.

## MANUFACTURER INFORMATION

**MANUFACTURER:** LX Hausys America, Inc.  
**ADDRESS:** 900 Circle 75 Parkway #1500  
 Atlanta GA 30339, USA  
**WEBSITE:** <https://www.lxhausysusa.com/viatera/>

**CONTACT NAME:** Richard Rudy  
**TITLE:** Technical Services Manager  
**PHONE:** 678-535-4116  
**EMAIL:** rrrudy@lxhausys.com

*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

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

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> 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.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	<b>NoGS</b> 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.*