

CLASSIFICATION: 06 61 00.00 Wood, Plastics and Composites (framing) Simulated Stone Fabrications; 06 61 16 Solid Surface Fabrications; 10 21 13 Toilet Compartments; 12 36 61 Solid Surfacing Countertops:

PRODUCT DESCRIPTION: Livingstone 100% acrylic solid surface is continuously cast, non-porous, homogeneous solid sheets composed of acrylic polymer and natural minerals that yield through-body color; not coated, laminated or of composite construction. In its finished form Livingstone 100% acrylic solid surface is an article, is nontoxic and non-allergenic to humans. Product Classifications include 06 61 16 Solid Surface Fabrications, 10 21 13 Toilet Compartments and 12 36 61 Solid Surface Countertops.

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
All substances disclosed by Name (Specific or Generic) and Identifier.

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

LIVINGSTONE ACRYLIC SOLID SURFACE [ALUMINA TRIHYDRATE BM-2 |
RES POLYMETHYL METHACRYLATE (PMMA) LT-P1 | RES TITANIUM
DIOXIDE LT-1 | CAN | END CARBON BLACK LT-1 | CAN]

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:

Inventory and Screen Notes are provided in sections 2.2.1.7 Materials or Product Notes, 2.2.2.9 Substance Notes or in the General Notes section 5

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
VOC emissions: UL/GreenGuard Certified

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: 2018-05-01

PUBLISHED DATE: 2018-05-01

EXPIRY DATE: 2021-05-01



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, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

LIVINGSTONE ACRYLIC SOLID SURFACE

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Livingstone is an acrylic solid surface that is continuously cast, non-porous, homogeneous solid surface produced in sheets or shapes (sinks). These materials yield through body color and are not coated, laminated or of composite construction. In finished form Livingstone is an article that is nontoxic, and non-allergenic to humans.

OTHER PRODUCT NOTES: Livingstone Solid Surface is manufactured as a continuous cast, non-porous homogeneous material suitable for virtually any interior and/or exterior application in Healthcare, Education, Food Service, Retail and General Commercial environments. Livingstone is composed of acrylic resin and natural minerals. Livingstone is NSF/ANSI Standard 51 approved for all food zone applications and is Green Guard Gold certified under UL 2818-2013

ALUMINA TRIHYDRATE

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-05-01

#: 45.0000 - 60.0000

GS: BM-2

RC: None

NANO: No

ROLE: Flame Retardant/Inert Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

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

SUBSTANCE NOTES: The following inputs are included in this ingredient: Methyl Methacrylate (CAS # 80-62-6) and Butyl Acrylate (CAS# 141-32-2). Colorants are also present including Titanium Dioxide (CAS# 13463-67-7) and Carbon Black (CAS# 1333-86-4). Livingstone Acrylic Surfaces are comprised of reacted monomers and resins, mineral fillers and colorants and are manufactured in the form of sheets and shapes. Exposure to any input does not occur in the finished form of Livingstone material.

POLYMETHYL METHACRYLATE (PMMA)

ID: 9011-14-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-05-01

#: 33.0000 - 42.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Additive-Reactive

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: The following inputs are included in this ingredient: Methyl Methacrylate (CAS #80-62-6) and Butyl Acrylate (CAS # 141-32-2). Colorants are also present including Titanium Dioxide (CAS # 13463-67-7) and Carbon Black (CAS# 1333-86-4). Livingstone solid surfaces are comprised of reacted monomers and resins, mineral fillers and colorants manufactured in the form of sheets and shapes. Exposure to any inputs does not occur in the finished form of Livingstone products.

TITANIUM DIOXIDE

ID: 13463-67-7

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

HAZARD SCREENING DATE: **2018-05-01**

#: **0.0000 - 3.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Colorant**

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

SUBSTANCE NOTES: Livingstone Acrylic Solid surfaces are manufactured utilizing reacted monomers and resins, inert mineral fillers and colorants. Livingstone is manufactured in both sheets and shapes. Livingstone in its finished form is nontoxic and non-allergenic to humans.

CARBON BLACK

ID: 1333-86-4

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

HAZARD SCREENING DATE: **2018-05-01**

#: **0.0000 - 3.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment/Colorant**

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

SUBSTANCE NOTES: Livingstone Acrylic Solid surfaces are manufactured utilizing reacted monomers and resins, inert mineral fillers and colorants. Livingstone is manufactured in both sheets and shapes. Livingstone in its finished form is nontoxic and non-allergenic to humans.

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: **All**

CERTIFICATE URL:

<https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32896/662915/LivingStone-Solid-Surface?st=1>

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2009-10-19	2019-10-19	UL Environment

CERTIFICATION AND COMPLIANCE NOTES: **Certification renewed as required. Current certification is UL 2818-2013**

VOC EMISSIONS

UL/GreenGuard Certified

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All Manufacturing facilities**

CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5ad1e83055b0e82d946a0f47?page_type=Products%20Catalog

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2009-10-19	2019-10-19	UL Environment

CERTIFICATION AND COMPLIANCE NOTES: **UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings CERTIFICATE Certification renewed as required. Current certification is UL 2818-2013**

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.

SEAM-IT SEAMING ADHESIVE

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Seam-It Seaming adhesive is recommended for use with Livingstone acrylic solid surface and is produced in a range of colors to match Livingstone acrylic sheet materials. Seam-It adhesive creates inconspicuous seams resulting in a smooth final finish. Seam-It is GreenGuard Gold Certified under UL 2818-2013 and certificate # is 697440420

Section 5: General Notes

Livingstone Solid Surface is manufactured in both sheets and shapes and provides a non-porous, homogeneous material comprised of acrylic polymers and natural minerals yielding a through body color, not laminated, coated or of composite construction. Livingstone Solid Surface in its finished form is nontoxic and non-allergenic to humans and can be used in a variety of interior and exterior application in Healthcare, Education, Food Service, Retail, General Commercial environments. Livingstone is UL Environment Green Guard Gold certified under UL 2818-2013 For more information about Livingstone please contact us directly or website at



MANUFACTURER INFORMATION

MANUFACTURER: **US Surfaces**

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Building 1-Suite 100

Austin Texas 78759, USA

WEBSITE: **www.livingstonesurfaces.com**

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TITLE: **Vice President-Business Development**

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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

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

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

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

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

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

NoGS 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 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.