

CLASSIFICATION: 08 88 13

PRODUCT DESCRIPTION: KERALITE, a Glass Ceramic that installs into fire-rated frames, protects building occupants from smoke and flames and fulfills impact safety requirements. This HPD covers KERALITE L, KERALITE F, KERALITE SELECT L and KERALITE SELECT F.

Section 1: Summary

Nested 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

Residuals/Impurities
Considered in 3 of 3 Materials

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](#)

[GLASS CERAMIC](#) [[SOLID GLASS AND GLASS / MINERAL FIBER \(SEE VARIANTS\)](#) [LT-UNK](#)]
[KERALITE FILM](#) [[POLYETHYLENE TEREPHTHALATE \(PET\)](#) [LT-UNK](#)] [KERALITE LAMINATION FILM](#) [[ACETIC ACID ETHENYL ESTER, POLYMER WITH 1,1-BIS\(ETHENYLOXY\)BUTANE AND ETHENOL](#) [LT-UNK](#) [2,2'-ETHYLENEDIOXYDIETHYL BIS\(2-ETHYLHEXANOATE\)](#) [LT-UNK](#) [CALCIUM CARBONATE](#) [BM-3](#)]

Number of Greenscreen BM-4/BM3 contents ... 1

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

INVENTORY AND SCREENING NOTES:

This HPD represents a family of products. Not all layers of materials are present within all products, thus a range of percentages is identified and noted. All residuals and impurities have been considered and noted when applicable to the HPD standard.

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: NA

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2020-05-14

PUBLISHED DATE: 2020-05-14

EXPIRY DATE: 2023-05-14

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

GLASS CERAMIC

#: 96.00 - 99.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered and noted when applicable the HPD Standard.

OTHER MATERIAL NOTES: Per the current HPD Version 2.0 Open Standard, float glass is considered a special condition material; however, no methodology on how to evaluate the substances contained in the material has been defined per the publication date of this declaration. Therefore, this HPD reports glass as a single substance since glass is an inert material whose substances do not post independent health hazards to the consumer.

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-14

#: 96.00 - 99.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Glazing

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Per the HPD Version 2.0 Open Standard, flat glass is considered a special condition materials; however, no methodology on how to evaluate this substance contained in the materials has been defined per the publication date of this declaration. Therefore, this HPD reports glass as a single substance since glass is an inert material whose substances do NOT post independent health hazards to the consumer.

KERALITE FILM

#: 0.00 - 2.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered and noted when applicable the HPD Standard.

OTHER MATERIAL NOTES: This material applies only to KERALITE F and KERALITE Select F.

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-14

#: 1.00 - 2.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Film

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The HPD incorporates several products and product lines thus a range of raw material percentages results.

KERALITE LAMINATION FILM

#: 0.00 - 4.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered and noted when applicable the HPD Standard.

OTHER MATERIAL NOTES: This material applies only to KERALITE L and KERALITE Select L, not all products in this HPD contain this material.

ACETIC ACID ETHENYL ESTER, POLYMER WITH 1,1-BIS(ETHENYLOXY)BUTANE AND ETHENOL

ID: 27360-07-2

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

HAZARD SCREENING DATE: **2020-05-14**

%: **68.00 - 72.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Laminating resin**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The HPD incorporates several products and product lines thus a range of raw material percentages results.

2,2'-ETHYLENEDIOXYDIETHYL BIS(2-ETHYLHEXANOATE)

ID: 94-28-0

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

HAZARD SCREENING DATE: **2020-05-14**

%: **15.00 - 30.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Plasticizer**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The HPD incorporates several products and product lines thus a range of raw material percentages results.

CALCIUM CARBONATE

ID: 471-34-1

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

HAZARD SCREENING DATE: **2020-05-14**

%: **0.00 - 5.00** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Filler**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The HPD incorporates several products and product lines thus a range of raw material percentages results.

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

NA

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-05-14**

EXPIRY DATE: **2023-05-14**

CERTIFIER OR LAB: **NA**

APPLICABLE FACILITIES: **All Facilities**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **N/A**

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

The raw material range is based on content percent from a range of products and product lines that are supported by this HPD. All Vetrotech products should be handled and installed per the requirements of the manufacturers SDS. See www.vetrotech.com This HPD fails Option 2 under LEED prescreen as the reporting limit of the sourced material is limited to the 1000 ppm threshold

MANUFACTURER INFORMATION

MANUFACTURER: **Saint Gobain**
ADDRESS: **2108B Street, Suite 110**
Auburn WA 98001, USA
WEBSITE: **www.vetrotechusa.com**

CONTACT NAME: **Stephanie Miller**
TITLE: **Marketing Project Manager North America**
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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.