

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

### CONTENT INVENTORY

Threshold per material	Residuals and impurities considered in
<input checked="" type="radio"/> 100 ppm	1 of 3 materials
<input checked="" type="radio"/> 1,000 ppm	<input checked="" type="radio"/> see Section 2: Material Notes
<input type="radio"/> Per GHS SDS	<input type="radio"/> see Section 5: General Notes
<input type="radio"/> Per OSHA MSDS	
<input type="radio"/> Other	

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
Are the Percent Weight and Role provided for all substances?	<input type="radio"/> Yes <input type="radio"/> No
Screened.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
Are all substances screened using Priority Hazard Lists with results disclosed?	<input type="radio"/> Yes <input type="radio"/> No
Identified.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
Are all substances disclosed by Name (Specific or Generic) and Identifier?	<input type="radio"/> Yes <input type="radio"/> 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.

[MATERIAL](#) | [SUBSTANCE](#) | [RESIDUAL OR IMPURITY](#)  
[GREENSCREEN SCORE](#) | [HAZARD TYPE](#)

[GLASS CERAMIC](#) [ [GLASS / MINERAL FIBER](#) **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\*\* \[CALCIUM CARBONATE\]\(#\) \*\*LT-UNK\*\* \]  
\[KERALITE FILM\]\(#\) \[ \[POLYETHYLENE TEREPHTHALATE \\(PET\\)\]\(#\) \*\*LT-UNK\*\* \]](#)

Number of Greenscreen BM-4/BM3 contents..... 0  
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-UNK  
Nanomaterial..... No

### INVENTORY AND SCREENING NOTES:

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

### CERTIFICATIONS AND COMPLIANCE

VOC Content data is not applicable for this product category.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: April 26, 2016	EXPIRY DATE*: April 26, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: April 26, 2016	* or within 3 months of significant change in product contents

\*See HPDC website for details

## Section 2: Content in Descending Order of Quantity

<b>Glass Ceramic</b>	<b>%: 96.03 - 98.67</b>	<b>HPD URL:</b>
Inventory Threshold: 100 ppm	Residuals Considered: Yes	
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.		
<b>GLASS / MINERAL FIBER</b>	<b>ID: 65997-17-3</b>	
%: 100.00	GS: LT-UNK	RC: None NANO: NO ROLE: Glazing
<b>HAZARDS: AGENCY(IES) WITH WARNINGS:</b>		
None Found No warnings found on HPD Priority lists		
SUBSTANCE NOTES:		

<b>KERALITE Lamination Film</b>	<b>%: 3.98</b>	<b>HPD URL:</b>
Inventory Threshold: 1000 ppm	Residuals Considered: No	
Material Notes: This material applies only to KERALITE L and KERALITE Select L		
<b>acetic acid ethenyl ester, polymer with 1,1-bis(ethenyl)oxybutane and ethenol</b>	<b>ID: 27360-07-2</b>	
%: 70.00 - 70.00	GS: LT-UNK	RC: None NANO: NO ROLE: Laminating Resin
<b>HAZARDS: AGENCY(IES) WITH WARNINGS:</b>		
None Found No warnings found on HPD Priority lists		
SUBSTANCE NOTES:		
<b>2,2'-ETHYLENEDIOXYDIETHYL BIS(2-ETHYLHEXANOATE)</b>	<b>ID: 94-28-0</b>	
%: 15.00 - 30.00	GS: LT-UNK	RC: None NANO: NO ROLE: Plasticizer
<b>HAZARDS: AGENCY(IES) WITH WARNINGS:</b>		
None Found No warnings found on HPD Priority lists		
SUBSTANCE NOTES:		
<b>CALCIUM CARBONATE</b>	<b>ID: 471-34-1</b>	
%: 0.00 - 5.00	GS: LT-UNK	RC: None NANO: NO ROLE: Filler
<b>HAZARDS: AGENCY(IES) WITH WARNINGS:</b>		
None Found No warnings found on HPD Priority lists		
SUBSTANCE NOTES:		

<b>KERALITE Film</b>	<b>%: 1.37 - 1.67</b>	<b>HPD URL:</b>
Inventory Threshold: 1000 ppm	Residuals Considered: No	
Material Notes: This material applies only to KERALITE F and KERALITE Select F.		
<b>POLYETHYLENE TEREPHTHALATE (PET)</b>	<b>ID: 25038-59-9</b>	
%: 100.00 - 100.00	GS: LT-UNK	RC: None NANO: NO ROLE: Film
<b>HAZARDS: AGENCY(IES) WITH WARNINGS:</b>		
None Found No warnings found on HPD Priority lists		
SUBSTANCE NOTES:		

## 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.

## 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



## Section 6: References

### MANUFACTURER INFORMATION

MANUFACTURER: Vetrotech Saint-Gobain      CONTACT NAME: Lori Jerome  
ADDRESS: 2108B Street, Suite 110      TITLE: Marketing Project Manager North America  
          Auburn, WA 98001      PHONE: (253) 736-2233  
          USA  
WEBSITE: www.vetrotechusa.com      EMAIL: Lori.Jerome@saint-gobain.com

### 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

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<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>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

#### GreenScreen (GS)

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