



HPD UNIQUE IDENTIFIER: 885151321088

CLASSIFICATION: 08 43 27 Channel Glass Storefronts

PRODUCT DESCRIPTION: U-shaped glass channels, available up to 23 ft (7M) long, used for interior partitions or exterior façade applications. Its U-shape enables it to withstand greater environmental conditions than typical float glasses of similar thickness (1/4"). Its self-supporting profile allows for maximum glass and minimal framing for improved daylighting opportunities. The glass is available in regular and low-iron; low-iron glass is produced with a minimal amount of iron, reducing the greenish tint and improving light transmission. Channel glass is available as standard annealed or safety tempered; annealed glass is glass in its basic form that breaks into jagged pieces, while tempered glass is approximately four times stronger and breaks into small pieces.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Table with 4 columns: Inventory Reporting Format, Threshold Level, Residuals/Impurities Evaluation, and Explanation(s) provided for Residuals/Impurities? Each row contains radio button options for various methods and levels.

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 ... 0
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... None
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
CHANNEL (U-SHAPED) GLASS | SODA-LIME SILICATE GLASS NoGS

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.3, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight for each substance.

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: Inherently non-emitting source per LEED

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

- Yes
No

PREPARER: Self-Prepared
VERIFIER: Green Seal
VERIFICATION #: 572-20187

SCREENING DATE: 2024-01-24
PUBLISHED DATE: 2024-02-06
EXPIRY DATE: 2027-01-24

## 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 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

### CHANNEL (U-SHAPED) GLASS

%: 100.0000

PRODUCT THRESHOLD: 1000 ppm      RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes      MATERIAL TYPE: Glass

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: The glass is available in regular and low-iron.

### SODA-LIME SILICATE GLASS

ID: 2446523-50-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2024-01-24 10:18:23**

%: 100.0000

GreenScreen: **NoGS**

RC: **PostC**

NANO: **No**

SUBSTANCE ROLE: **Glass component**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The Lamberts Channel Glass contains post consumer recycled content. Lamberts also regrinds glass offcuts and rejects from their manufacturing process and reinjects them in their process; thus, limiting glass waste.

## 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

### Inherently non-emitting source per LEED

CERTIFYING PARTY: Self-declared  
APPLICABLE FACILITIES: All.  
CERTIFICATE URL:

ISSUE DATE: 2024-01-24 00:00:00  
EXPIRY DATE:

CERTIFIER OR LAB: None

CERTIFICATION AND COMPLIANCE NOTES: Inherently nonemitting sources per LEED: Product is an inherently nonemitting source of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood) and has no binders, surface coatings, or sealants that include organic chemicals.

## 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.

### FRAME SYSTEM FOR CHANNEL GLASS

MANUFACTURER (OR GENERIC): **Bendheim LLC**

HPD URL: No HPD Available

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Channel glass is held in place through the use of U-shaped aluminum extrusions. The glass rests on either plastic “shoes” or cushioned on silicone compatible glass blocks to position the glass and to avoid glass-to-glass and glass-to-metal contact. The interior frames for partition walls hold the glass channels in place using cured silicone or silicone compatible gaskets. The exterior façade frames hold the glass in place using cured silicone gaskets and “wet-sealed” with silicone pumped in place and air-dried to form air and water seals. Exterior frame systems have a thermal break of either polyurethane resin or polyamide bars to prevent temperature transfer between the interior and exterior. Channel glass systems are maintained using a mild, non-abrasive commercial window cleaning solution (in accordance with GANA recommendations). The frames are typically maintained using water and, when necessary, mild soaps or detergents ruled safe for bare hands (in accordance with AAMA 609/610). Abrasives should be avoided. Channel glass main page: [https://bendheim.com/glass\\_type/channel-glass/](https://bendheim.com/glass_type/channel-glass/)

## Section 5: General Notes

Glasfabrik Lamberts GmbH & Co.KG and Bendheim LLC have a long-standing & successful partnership for over 75 years. Bendheim LLC is the exclusive representative for Glasfabrik Lamberts GmbH & Co.KG in North America for channel glass. In most cases, channel glass goes directly to the customer “drop shipped” without Bendheim LLC interaction.

**MANUFACTURER INFORMATION**

MANUFACTURER: **Bendheim LLC**  
 ADDRESS: **82 Totowa Road**  
**Wayne, NJ 07470**  
 COUNTRY: **USA**

WEBSITE: **https://bendheim.com/**  
 CONTACT NAME: **Uarda Hoti**  
 TITLE: **Sustainability Program Manager**  
 PHONE: **800-221-7379**  
 EMAIL: **uhoti@bendheim.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-P1</b> List Translator Possible 1 (Possible Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> No GreenScreen.
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

**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*

