

HPD UNIQUE IDENTIFIER: 28449

CLASSIFICATION: 08 88 13 Fire-Rated Glazing

PRODUCT DESCRIPTION: SuperClear 45 glazing offers the clearest, most economical fire and safety rated glazing meeting all requirements for 45 minute doors, sidelites, transoms and openings in large sizes. Available in standard and low-iron options, SuperClear 45-HS and SuperClear 45-HS-LI carry a lifetime warranty and are manufactured in the USA, allowing for fast delivery and competitive pricing.

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

<b>Inventory Reporting Format</b> <input checked="" type="radio"/> Nested Materials Method <input 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> Considered in 1 of 1 Materials  <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>
<b>Threshold Disclosed Per</b> <input checked="" type="radio"/> Material <input type="radio"/> Product			

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  
**SOLID/PLATE GLASS [ SODA LIME BOROSILICATE GLASS 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:**

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: Inherently non-emitting source per LEED®

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2

<b>Third Party Verified?</b> <input type="radio"/> Yes <input checked="" type="radio"/> No	<b>PREPARER:</b> Self-Prepared <b>VERIFIER:</b> <b>VERIFICATION #:</b>	<b>SCREENING DATE:</b> 2022-05-04 <b>PUBLISHED DATE:</b> 2022-05-04 <b>EXPIRY DATE:</b> 2025-05-04
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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)

SOLID/PLATE GLASS		%: 100.0000 - 100.0000				
MATERIAL THRESHOLD: 100 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes		MATERIAL TYPE: Glass		
RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were “Considered”, as outlined in Emerging Best Practices. No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosures and as predicted by process chemistry (Pharos CML).						
OTHER MATERIAL NOTES: Clear float glass that undergoes a specialty process to meet a 45 minute fire rating.						
SODA LIME BOROSILICATE GLASS					ID: 65997-17-3	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-05-04 15:24:26			
%: 100.0000 - 100.0000		GS: LT-UNK		RC: PreC	NANO: No	SUBSTANCE ROLE: Glass component
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists				
SUBSTANCE NOTES: Chemical analysis of typical clear float glass: 72.6% Silica (14808-60-7   BM-1); 13.9% Sodium Oxide (1313-59-3   BM-2); 8.4% Calcium Oxide (1305-78-8   BM-2); 3.9% Magnesium Oxide (1309-48-4; BM-3dg); 1.1% Aluminum Oxide (1344-28-1   BM-2); 0.6% Potassium Oxide (12136-45-7   BM-2); Sulfur Trioxide (7446-11-9   BM- 2); 0.11 % Iron Oxide (1332-37-2   LT-UNK). Float glass used in this product contains approximately 20% recycled glass in the form of cullet.						

## 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: Third Party	ISSUE DATE: 2022-04-	EXPIRY DATE:	CERTIFIER OR LAB: N/A
APPLICABLE FACILITIES: Merced, CA 95341	14		
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Glass is considered an inherently non-emitting source of VOCs as per LEED.			

## 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.*

GPX FRAMING - UNFINISHED	HPD URL: <a href="https://tinyurl.com/2p8h4new">https://tinyurl.com/2p8h4new</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: SuperClear 45 glazing is typically used in conjunction with GPX Framing or GPX Builder Series Doors, although other framing systems or doors can be used.	
GPX BUILDER SERIES DOOR - UNFINISHED	HPD URL: <a href="https://tinyurl.com/2p8zsrbc">https://tinyurl.com/2p8zsrbc</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: SuperClear 45 glazing is typically used in conjunction with GPX Framing or GPX Builder Series Doors, although other framing systems or doors can be used.	

## Section 5: General Notes

SuperClear 45-HS and SuperClear 45-HS-LI are listed and labeled by Underwriters Laboratories and Intertek, and meet the following standards: UL 9, UL 10B, UL 10C, NFPA 80, NFPA 252, NFPA 257, ULC CAN4-S104, ULC CAN4-S106, CPSC 16 CFR 1201 Cat. I & II., ANSI Z97.1, CAN/CGSB 21.1. Specifications:

- Thickness: 3/4" (19mm)
- Weight: 9 lbs./sq.ft. (44 kg/m²)
- Sound Transmission Rating: STC 37/OITC 35 rating in ¾ in. (19 mm) standard profile in standard hollow metal frames.
- Fire Rating: 45 minutes with hose stream
- Visible Light Transmittance: 83 (45-HS); 90 (45-HS-LI)
- Impact Safety Rating: CPSC 16 CFR 1201 Cat. I and II, ANSI Z97.1 Class A and B, CAN/CGSB 12.1 Class A and B

## MANUFACTURER INFORMATION

**MANUFACTURER: SAFTI FIRST**  
**ADDRESS: 100 N Hill Drive**  
**Suite 12**  
**Brisbane CA 94005, USA**  
**WEBSITE: <http://safti.com>**

**CONTACT NAME: Diana San Diego**  
**TITLE: VP of Marketing**  
**PHONE: 888-653-3333**  
**EMAIL: [DianaS@safti.com](mailto:DianaS@safti.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

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**LAN** Land toxicity

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple

**NEU** Neurotoxicity

**NF** Not found on Priority Hazard Lists

**OZO** Ozone depletion

**PBT** Persistent, bioaccumulative, and toxic

**PHY** Physical hazard (flammable or reactive)

**REP** Reproductive

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**UNK** Unknown

### 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 (due to insufficient data)

**LT-P1** List Translator Possible 1 (Possible Benchmark-1)

**LT-1** List Translator 1 (Likely Benchmark-1)

**LT-UNK** 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.)

**NoGS** 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.*