

Name Guardian Flat Glass



Product ID Cover multiple IDs (see Description) Classification 08 80 00.00 Openings (door ways): Glazing  
Website <https://www.guardian.com/index.htm>

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Description This HPD covers Guardian Flat Glass & Coated Glass Products which include:  
Clear and tinted glass (annealed and tempered), pattern glass (including Berman Glass editions™), SatinDeco®, ShowerGuard®, DiamondGuard®, ClimaGuard® and SunGuard® (Low-E and Reflective) products.

Release Date 2014-11-25  
Expiry Date 2017-11-25  
HPD URL <https://tool.hpdcollaborative.org/uploads/files/hpds/77/1789-20141125141828.pdf>

Self-declared  
 Second Party  
 Third Party  
Certifier  
Certificate #

### SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

#### Residuals Disclosure

- Measured 100 ppm (ideal)
- Measured 1000 ppm
- Predicted by process chemistry
- As per MSDS (1,000 & 10,000 ppm)
- Not disclosed
- Other

#### Full Disclosure of Intentional Ingredients

Yes  No

#### Full Disclosure of Known Hazards

Yes  No

#### Disclosure Notes

Coated products contain less than 0.1% of the following intentionally added metals (specific metals depend on product): silver, indium, nickel, chrome, aluminum, titanium, tin, zinc, niobium, and/or zirconium. These metals fall below the 1000 ppm disclosure threshold for this HPD and are thus not evaluated for their health hazards. Note that, although the hazard for these metals are not disclosed, there is no known health risk associated with their use as window coatings.

### Contents in Descending Order of Quantity

GLASS / MINERAL FIBER

#### Hazards

- PBT (Persistent Bioaccumulative Toxic)
- Cancer
- Gene Mutation
- Development
- Reproductive
- Endocrine
- Respiratory

#### Highest concern GreenScreen score - List Translator Unspecified

- Neurotoxicity
- Mammal
- Skin or Eye
- Aquatic toxicity
- Land toxicity
- Physical hazard
- Global warming
- Ozone depletion
- Multiple
- Unknown

#### Total VOC Content

Material (g/L) N/A  
Regulatory (g/L) N/A

#### Does the product contain exempt VOCs?

N/A  Yes  No

#### Are there VOC-free tints available?

N/A  Yes  No

#### Notes

### Certifications + Compliance

VOC Emissions Not tested

VOC Content N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit [hpdcollaborative.org](http://hpdcollaborative.org).

## CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at [www.hpdcollaborative.org/hazardlists](http://www.hpdcollaborative.org/hazardlists).

**GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
<b>GLASS / MINERAL FIBER</b>	65997-17-3	100 %	LT-U	PI	Y	Glass Oxide
None found	No warnings found on HPD Priority lists					
Contains 0-11% post-industrial recycled glass cullet, calculated as a percentage of total raw material batch weight						

## CERTIFICATIONS AND COMPLIANCE

**Certifying Party** = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

**Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			

Recycled Content	Not tested		
Other			

**ACCESSORY MATERIALS**

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
<b>Condition when required or recommended and/or other notes</b>	
Various, depending on application	
If installed in a building, the glass will require several accessory materials. For example, as part of an insulated glass unit (IGU), the Guardian glass will be installed along with required framing materials, spacers, desiccants, and sealants. Accessory materials vary based on the type of installation, final application, and other factors.	

**NOTES**

See Disclosure Notes for additional information about coating materials.