

Name **VividGlass™**  
 Product ID VividGlass  
 Website <http://forms-surfaces.com/vividglass>  
 Manufacturer Forms+Surfaces  
 Address 30 Pine Street  
 Address Line 2  
 City, State, Code Pittsburgh, PA 15223

Classification 88100  
 Contact Name Sandra Closson  
 Title Sustainability Manager  
 Phone 412.282.5244  
 Email [sandra.closson@forms-surfaces.c](mailto:sandra.closson@forms-surfaces.c)



Description VividGlass is safety laminated decorative glass. This HPD applies to ViviChrome™, ViviGraphix™ and ViviStone™ patterns that contain pigment.

Release Date 26-Nov-2013

Self-declared

Expiry Date 25-Nov-2016

Second Party

Certifier N/A

HPD URL

Third Party

Certificate #

### SUMMARY

The content of this product was assessed for health hazard warnings as required using Pharos Project Material and Chemical Library

Residuals Disclosure

Full Disclosure of Intentional Ingredients

Yes  No

Measured 100 ppm (ideal)

Full Disclosure of Known Hazards

Yes  No

Measured 1000 ppm

Disclosure Notes

Predicted by process chemistry

Not included in this HPD are names of proprietary pigment ingredients. All known hazards have been disclosed. The pigment comprises less than 1% by weight of the product. The pigment ingredients will vary by pattern and not all ingredients will exist in all patterns. There are patterns that do not contain any pigment.

As per MSDS (1,000 & 10,000 ppm)

Not disclosed

Other

Contents in Descending Order of Quantity (if the area below is full, refer to the following pages for additional listings)

Glass, Polyvinyl Butyral, Triethyleneglycol- bis -2-ethyl hexanoat, Polyethylene Terephthalate, Tetraethyleneglycol DI-N-Heptanoate, Bis-(2-butoxyethyl)adipat - DBEA, Polyolefin, Pigment (various).

Hazards

Highest concern GreenScreen score - Benchmark 1

PBT

Development

Neurotoxicity

Land toxicity

Multiple

(Persistent and Bioaccumulative Toxic)

Reproductive

Mammal

Physical hazard

Unknown

Cancer

Endocrine

Skin or Eye

Global warming

Gene mutation

Respiratory

Aquatic toxicity

Ozone depletion

Total VOC Content

Material (g/l) N/A

Does the product contain exempt VOCs?

N/A  Yes  No

Regulatory (g/l) N/A

Are VOC-free tints available?

N/A  Yes  No

Content Notes

Certifications and Compliance (if the area below is full, refer to the following pages for additional listings)

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

### 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 [GS: GreenScreen Benchmark](#); [RC: Recycled Content](#), [PC: Post Consumer](#), [PI: Post Industrial \(Pre-consumer\)](#), [BO: Both post industrial and post consumer](#); [Nano: comprised of nanoscale particles or nanotechnology](#).

Ingredient Name	number	% 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						
Glass	65997-17-3	90.0%		No	No	Glass
None found	No warnings found on HPD Priority Lists					
Polyvinyl Butyral	63148-65-2	5.6%-9.0%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
Triethyleneglycol- bis -2-ethyl hexanoat	94-28-0	1.3%-3.0%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
Polyethylene Terephthalate	25038-59-9	0%-1.5%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
Tetraethyleneglycol DI-N-Heptanoate	70729-68-9	0%-1.5%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
Bis-(2-butoxyethyl)adipat - DBEA	141-18-4	0.1%-0.3%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
This ingredient was not found in the Pharos Chemical and Material Library						
Polyolefin		0%-0.5%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
This ingredient was not found in the Pharos Chemical and Material Library						
Pigment (various)	Undisclosed	0-1.0%	BM1	No	No	Interlayer
Cancer	NIOSH-C: Occupational Carcinogen (also in Prop 65)					
Neurotoxicity	G&L Neuro: Developmental neurotoxicant					
Mammal	EU R-Phrases: R20 Harmful by inhalation					
Skin or Eye	EU R-Phrases: R36 Irritating to eyes (also in EU H-Statements)					
Pigment ingredients are proprietary and have therefore not been disclosed. Pigment ingredients will vary by pattern and not all ingredients exist in all patterns. There are patterns that do not contain pigment.						

**CERTIFICATIONS AND COMPLIANCE**

**Certifying Party = Self declaration** : Manufacturer's self-declaration; **Independent lab** : Manufacturer's self-declaration using results from an independent lab and declaration of conformance. **Second Party**: Verification by trade association or other interested party; **Third Party**: 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			Certification & Compliance Notes
VOC Emissions <i>(interior products only)</i>	Not tested			
VOC Content <i>(wet applied only)</i>	N/A			
Recycled Content	Self declaration			
Other				
Other				
Other				
Other				
Other				
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	
Condition when required or recommended and/or other notes		
01	Standard commercial, non-streaking cleaners/polishes for glass	
Recommended during routine maintenance.		
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		

**NOTES**

<b>Agency/List Abbreviation</b>	<b>Full List Title</b>	<b>Hazard Issuing Agency</b>	<b>URL</b>
AOEC	AOEC Exposure Codes - Asthmagen List	Association of Occupational and Environmental Clinics	<a href="http://www.aoec.org/tools.htm">www.aoec.org/tools.htm</a>
DSL	Canadian Environmental Protection Act (CEPA) - Environmental Registry - Domestic Substances List (DSL)	Environment Canada & Health Canada	<a href="http://www.ec.gc.ca/CEPARRegistry/subs_list/dsl/dslsearch.cfm">www.ec.gc.ca/CEPARRegistry/subs_list/dsl/dslsearch.cfm</a>
EPA Action	Chemicals of Concern Action Plans	US Environmental Protection Agency	<a href="http://www.epa.gov/oppt/existingchemicals/">www.epa.gov/oppt/existingchemicals/</a>
EPA PBT	Priority PBT Profiles	US Environmental Protection Agency	<a href="http://www.epa.gov/opptintr/pbt/pubs/cheminfo.htm">www.epa.gov/opptintr/pbt/pubs/cheminfo.htm</a>
EPA-C	Integrated Risk Information System Database (IRIS)	US Environmental Protection Agency	<a href="http://www.epa.gov/ncea/iris/search_human.htm">www.epa.gov/ncea/iris/search_human.htm</a>
EPA-GW	Global Warming Potentials of Ozone Depletors and Substitutes	US Environmental Protection Agency	<a href="http://www.epa.gov/ozone/geninfo/gwps.html">www.epa.gov/ozone/geninfo/gwps.html</a>
EPA-ODS	Ozone-Depleting Substances (ODS) Class I & Class II	US Environmental Protection Agency	<a href="http://www.epa.gov/spdpublic/science/ods/index.html">www.epa.gov/spdpublic/science/ods/index.html</a>
EU CMR(1)	Regulation on the Classification, Labelling and Packaging of Substances and Mixtures (CLP) Dangerous Substances Directive (DSD) REACH Annex XVII	European Commission	<a href="http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2007:136:0003:0280:EN:PDF">eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2007:136:0003:0280:EN:PDF</a>
EU CMR(2)	Regulation on the Classification, Labelling and Packaging of Substances and Mixtures (CLP) CMR GHS Categories	European Commission	<a href="http://ec.europa.eu/enterprise/sectors/chemicals/classification/index_en.htm">http://ec.europa.eu/enterprise/sectors/chemicals/classification/index_en.htm</a>
EU ED	EU Community Strategy for Endocrine Disrupters - Priority List	European Commission	<a href="http://ec.europa.eu/environment/endocrine/strategy/substances_en.htm">ec.europa.eu/environment/endocrine/strategy/substances_en.htm</a>
EU H-Statements	Regulation on the Classification, Labelling & Packaging of Substances & Mixtures (CLP) Annex 6 Table 3-1 - GHS Hazard code criteria	European Commission	<a href="http://ec.europa.eu/enterprise/sectors/chemicals/documents/classification/">ec.europa.eu/enterprise/sectors/chemicals/documents/classification/</a>
EU Ozone	Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer - Controlled substances and new substances	European Commission	<a href="http://ec.europa.eu/environment/ozone/controlled_ods.htm">ec.europa.eu/environment/ozone/controlled_ods.htm</a>
EU PBT	European chemical Substances Information System (ESIS) - PBT List	European Commission	<a href="http://esis.jrc.ec.europa.eu/index.php?PGM=pbt">esis.jrc.ec.europa.eu/index.php?PGM=pbt</a>
EU R-Phrases	Substances with EU Risk & Safety Phrases (Commission Directive 67-548-EEC)	European Commission	<a href="http://ec.europa.eu/enterprise/sectors/chemicals/documents/classification/">ec.europa.eu/enterprise/sectors/chemicals/documents/classification/</a>
EU SVHC	Substances of Very High Concern for authorisation - REACH Annex XIV	European Commission	<a href="http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp">echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp</a>
G&L Neuro	Developmental neurotoxicity of industrial chemicals, List of 201 Chemicals known to be neurotoxic in man	Lancet: authors Philippe Grandjean & Phil Landrigan	not available
IARC	Monographs On the Evaluation of Carcinogenic Risks to Humans	International Agency for Research on Cancer, World Health Organization	<a href="http://monographs.iarc.fr/ENG/Classification/index.php">monographs.iarc.fr/ENG/Classification/index.php</a>
MAK	Occupational Toxicants and MAK Values: Annual Thresholds and Classifications for the Workplace	MAK Commission of Germany	<a href="http://www.dfg.de/en/dfg_profile/statutory_bodies/senate/health_hazards/structure/working_groups/derivation_mak/index.html">http://www.dfg.de/en/dfg_profile/statutory_bodies/senate/health_hazards/structure/working_groups/derivation_mak/index.html</a>
NIOSH-C	NIOSH Carcinogen List	US Centers for Disease Control, National Institute of Occupational Safety and Health	<a href="http://www.cdc.gov/niosh/topics/cancer/npotocca.html">www.cdc.gov/niosh/topics/cancer/npotocca.html</a>

<b>Agency/List Abbreviation</b>	<b>Full List Title</b>	<b>Hazard Issuing Agency</b>	<b>URL</b>
NTP-OHAaT	Expert Panel Reports & Monographs on Reproductive and Developmental Toxicity	US Dept of Health & Human Services, National Toxicology Program (NTP), Office of Health Assessment and Translation	<a href="http://cerhr.niehs.nih.gov/chemicals">cerhr.niehs.nih.gov/chemicals</a>
NTP-RoC	National Toxicology Program (NTP) 12th Report on Carcinogens	US Dept of Health & Human Services	<a href="http://ehis.niehs.nih.gov/roc">ehis.niehs.nih.gov/roc</a>
NWMP Priority	National Waste Minimization Program Priority Chemicals List	US Environmental Protection Agency	<a href="http://www.epa.gov/epawaste/hazard/wastemin/priority.htm">www.epa.gov/epawaste/hazard/wastemin/priority.htm</a>
OR P3	Priority Persistent Pollutant (P3) List	State of Oregon Department of Environmental Quality	<a href="http://www.deq.state.or.us/wq/SB737">www.deq.state.or.us/wq/SB737</a>
OSPAR	OSPAR Convention For The Protection of the Marine Environment of the North-East Atlantic Chemical Lists of Priority Action & Possible Concern	Oslo-Paris Convention Commission	<a href="http://www.ospar.org/content/content.asp?menu=00940304440000_000000_000000">www.ospar.org/content/content.asp?menu=00940304440000_000000_000000</a>
Prop 65	Chemicals Known to the State to Cause Cancer or Reproductive Toxicity - California Proposition 65	State of California Environmental Protection Agency	<a href="http://www.oehha.ca.gov/prop65/prop65_list/Newlist.html">www.oehha.ca.gov/prop65/prop65_list/Newlist.html</a>
San Antonio	San Antonio Statement on Brominated and Chlorinated Flame Retardants	Environmental Health Perspectives	<a href="http://ehp03.niehs.nih.gov/article/info:doi/10.1289/ehp.1003089">ehp03.niehs.nih.gov/article/info:doi/10.1289/ehp.1003089</a>
SIN	SIN (Substitute It Now) List	ChemSec, The International Chemical Secretariat	<a href="http://www.chemsec.org/list">www.chemsec.org/list</a>
Stockholm	Stockholm Convention on Persistent Organic Pollutants (POPs) - Annex A, B & C and under Review	United Nations Environment Programme	<a href="http://chm.pops.int/Convention/ThePOPs/tabid/673/language/en-US/Default.aspx">chm.pops.int/Convention/ThePOPs/tabid/673/language/en-US/Default.aspx</a>
TEDX	TEDX List of Potential Endocrine Disruptors	The Endocrine Disruption Exchange (TEDX)	<a href="http://www.endocrinedisruption.org">www.endocrinedisruption.org</a>
TRI PBT	TRI PBT Chemical List	US Environmental Protection Agency	<a href="http://www.epa.gov/triinter/trichemicals/pbt%20chemicals/pbt_chem_list.htm">www.epa.gov/triinter/trichemicals/pbt%20chemicals/pbt_chem_list.htm</a>
VwVwS	Administrative Regulation on the Classification of Substances hazardous to waters	German Federal Environment Agency	<a href="http://webrigoletto.uba.de/rigoletto/public/language.do;jsessionid=61D845CE75D839F7658BF283C97DA7E2?language=english">webrigoletto.uba.de/rigoletto/public/language.do;jsessionid=61D845CE75D839F7658BF283C97DA7E2?language=english</a>
WA PBT	Chapter 173-333 WAC Persistent Bioaccumulative Toxins	State of Washington Department of Ecology	<a href="http://apps.leg.wa.gov/WAC/default.aspx?cite=173-333-310">apps.leg.wa.gov/WAC/default.aspx?cite=173-333-310</a>